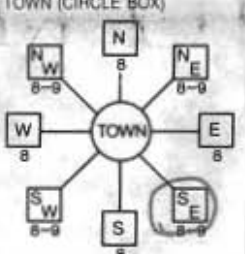
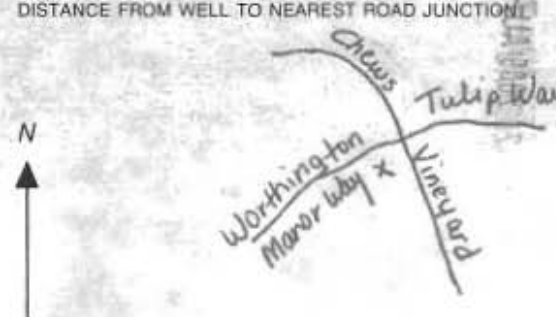


B 1	0790	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 531870 please type	STATE PERMIT NUMBER 40-95-1797 fill in this form completely
Date Received (APA)		B 3 LOCATION OF WELL		
OWNER INFORMATION 8 MM DD YY 13 15 <u>Decker residence</u> Last Name Owner First Name 34 36 <u>4501 Worthington Manor Way</u> Street or RFD 65 57 <u>Ellicott City, MD 21043</u> Town 70 State 72 Zip 76		8 COUNTY <u>Howard</u> 23 SUBDIVISION <u>Washington Reserve</u> SECTION <u>44</u> LOT <u>73</u> 52 NEAREST TOWN <u>Ellicott City</u> 71 MILES FROM TOWN (enter 0 if in town) <u>2</u> M 1 73 76 77 78		
DRILLER INFORMATION 1 Driller's Name <u>Daniel Patton</u> MS D 163 2 Firm Name <u>Patton Well Drilling</u> 3 Address <u>6810 Cornell Road Middle River, MD 21220</u> 4 Signature <u>Daniel Pax</u> Date <u>7/27/09</u>		B 4 1 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  2 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 11 NEAR WHAT ROAD <u>Worthington Manor Way</u> 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 <u>21</u> 37 DISTANCE FROM ROAD ENTER FT OR MI <u>FT</u> 38 39 TAX MAP: <u>31</u> BLK: <u>3</u> PARCEL: <u>810</u>		
B 2 WELL INFORMATION 1 APPROX. PUMPING RATE (GAL. PER MIN.) <u>N/A</u> 12 2 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>14</u> 20		USE FOR WATER (CIRCLE APPROPRIATE BOX) 22 <input type="checkbox"/> D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> P PUBLIC WATER SUPPLY WELL <input type="checkbox"/> T TEST, OBSERVATION, MONITORING <input checked="" type="checkbox"/> G GEO-THERMAL <u>3-300' wells</u>		
APPROXIMATE DEPTH OF WELL <u>300</u> FEET 24 28 APPROXIMATE DIAMETER OF WELL <u>6</u> INCH 30 34		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <u>Howard</u> COUNTY NO. <u>13</u> STATE SIGNATURE _____ INSERT S DATE ISSUED <u>8/24/09</u> CO SIGNATURE <u>Stacy Patton</u> EXP. DATE <u>8/24/10</u> 43 MM DD YY 48 NORTH GRID <u>515</u> 000 EAST GRID <u>860</u> 000 50 55 57 63		
METHOD OF DRILLING (circle one) 30 BORED (or Augered) <u>JETTED</u> Jetted & DRIVEN 37 AIR-ROTARY <u>AIR-PERCussion</u> ROTARY (Hydraulic Rotary) CABLE <u>Reverse</u> ROTARY Drive-POINT other _____		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 E <u>860</u> N <u>515</u> 000 000		
REPLACEMENT OR DEEPEENED WELLS (CIRCLE APPROPRIATE BOX) 39 <input checked="" 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-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> D THIS WELL WILL DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 _____ 52		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION. 		
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER _____ G _____ PERMIT No. <u>40-95-1797</u> 70 71 72 73 74 75 76 77 78 79				
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITY SHOULD USE SEPARATE SHEET IF NEEDED.				

C1 4822 <small>1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER																														
ST/CO USE ONLY DATE Received MM DO YY 8 13	DATE WELL COMPLETED MM DD YY 9-10-09 5/1/10sc	Depth of Well 300 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-95-1797																														
OWNER <u>Goth residence</u> STREET OR RFD <u>4501 Worthington Manor Way</u> TOWN <u>Ellicott City</u> SUBDIVISION <u>Worthington Reserve</u> SECTION _____ LOT <u>73</u>																																	
WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>Brown soil w/ broken rock</td> <td>0</td> <td>90</td> <td></td> </tr> <tr> <td>Gray rock</td> <td>90</td> <td>300</td> <td></td> </tr> </tbody> </table>		DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing	FROM	TO	Brown soil w/ broken rock	0	90		Gray rock	90	300		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BCI NO. OF BAGS <u>15</u> NO. OF POUNDS <u>750</u> GALLONS OF WATER <u>375</u> DEPTH OF GROUT SEAL (to nearest foot) from <u>0</u> TOP ft. to <u>300</u> BOTTOM ft. (enter 0 if from surface) CASING RECORD casing types insert appropriate code below <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>ST STEEL</td> <td>CO CONCRETE</td> </tr> <tr> <td>PL PLASTIC</td> <td>OT OTHER</td> </tr> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>MAIN CASING TYPE</td> <td>Nominal diameter top (main) casing (nearest inch)</td> <td>Total depth of main casing (nearest foot)</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> OTHER CASING (if used) diameter inch depth (feet) from to EACH CASING _____ SCREEN RECORD screen type or open hole insert appropriate code below <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>ST STEEL</td> <td>BR BRASS</td> <td>HO OPEN HOLE</td> </tr> <tr> <td>PL PLASTIC</td> <td>OT OTHER</td> <td></td> </tr> </table>		ST STEEL	CO CONCRETE	PL PLASTIC	OT OTHER	MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)				ST STEEL	BR BRASS	HO OPEN HOLE	PL PLASTIC	OT OTHER	
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NUMBER OF UNSUCCESSFUL WELLS: <u>0</u> WELL HYDROFRACTURED Y N CIRCLE APPROPRIATE LETTER 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 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. DRILLERS LIC. NO. <u>MSD163</u> <u>Daniel Pata</u> DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. <u>D</u>		PUMPING TEST HOURS PUMPED (nearest hour) _____ PUMPING RATE (gal. per min.) _____ METHOD USED TO MEASURE PUMPING RATE _____ WATER LEVEL (distance from land surface) BEFORE PUMPING _____ ft. WHEN PUMPING _____ 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 INSTALLED PUMP (CIRCLE) (YES or NO) YES Y NO N 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 20' on center (MEASUREMENTS TO WELL) Worthington Manor Way property line 36' x 21' x 30' x House Chaus Vineyard																															
DRILLERS LIC. NO. <u>MSD163</u> <u>Daniel Pata</u> DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. <u>D</u>		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 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA																															

8/24/09 3 geo well
Site OK (SC)

Decker residence
4501 Worthington
Manor Way
Ellicott City, MD
21043

3-300' geo wells
20' on center
public water & sewer





HOWARD COUNTY HEALTH DEPARTMENT

31870

DATE
8 / 7 / 09

415

Received From Patton Pump Service Inc. PHONE # 410.592.8662☐ CASH☒ CHECK

NO.

3800

For Well permit -4501 Worthington Manor Wayone hundred sixty

Dollars

\$

160 po

Received By

Uishma