

C 1 18195 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND WELL COMPLETION REPORT THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER 691126 PERMIT NO. FROM "PERMIT TO DRILL WELL" No. 15-0168 ST/CO USE ONLY DATE Received 10-28-15 DATE WELL COMPLETED 10-2-15 Depth of Well 700 (TO NEAREST FOOT) OWNER Patchen, Walter WELL SITE ADDRESS 22009 Beaulieu Rd TOWN Barnesville SUBDIVISION SECTION LOT

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use additional sheets if needed) FEET FROM TO check if water bearing Brown Shale 0 5 Grey Shale 5 700 ✓

GROUTING RECORD yes no Y N WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 5 NO. OF POUNDS 250 GALLONS OF WATER 125 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 38 ft. CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) PL 6 38 OTHER CASING (if used) diameter inch depth (feet) from to E A C H C A S I N G SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN PL BRONZE HOLE PL PLASTIC OTHER

C 3 PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 4.6 METHOD USED TO MEASURE PUMPING RATE Watch/Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 22 ft. WHEN PUMPING 65 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

NUMBER OF UNSUCCESSFUL WELLS: 1 WELL HYDROFRACTURED yes no 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. 1 M SD 2091 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.) 38 700 E A C H S R E E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to 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

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES 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) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) above below LAND SURFACE (nearest foot) 2 LATITUDE 39.217038 LONGITUDE 77.377686 (DEFAULT COORD. WGS 84) NOTES: 30' 100' SRA

of 1

Montgomery
Frederick County

County Well No. _____

Reviewed By _____

FIELD DATA SHEET
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. MD-15-0168 Owner or Applicant Water Park

Location of Property (road) 22009 BEALLSVILLE RD MD 109

Subdivision _____ Lot 2 Block _____ Plat _____ Sec. _____

Well Driller Robert Hill

Depth of Well 700 FT
Distance of Measuring Point (M.P.) above ground 2 FT
Static Water Level (S.W.L.) below M.P. 22 FT

I. High Rate Pumping -- reservoir drawdown
Time pump started 8:00 AM Pumping rate 10 gpm
Total time 20 to reach pumping water level 65 ft. below M.P.

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

TIME (CHRON.)	WATER LEVEL Below M.P. *	PUMPING RATE Time to fill <u>1</u> gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
8:20	65 FT	13 SEC		4.6 gpm
8:35	65 "	13 "		4.6 "
8:50	65 "	13 "		4.6 "
9:05	65 "	13 "		4.6 "
9:20	65 "	13 "		4.6 "
9:35	65 "	13 "		4.6 "
9:50	65 "	13 "		4.6 "
10:05	65 "	13 "		4.6 "
10:20	65 "	13 "		4.6 "
10:35	65 "	13 "		4.6 "
10:50	65 "	13 "		4.6 "
11:05	65 "	13 "		4.6 "
11:20	65 "	13 "		4.6 "

Don Hardy MSD #143