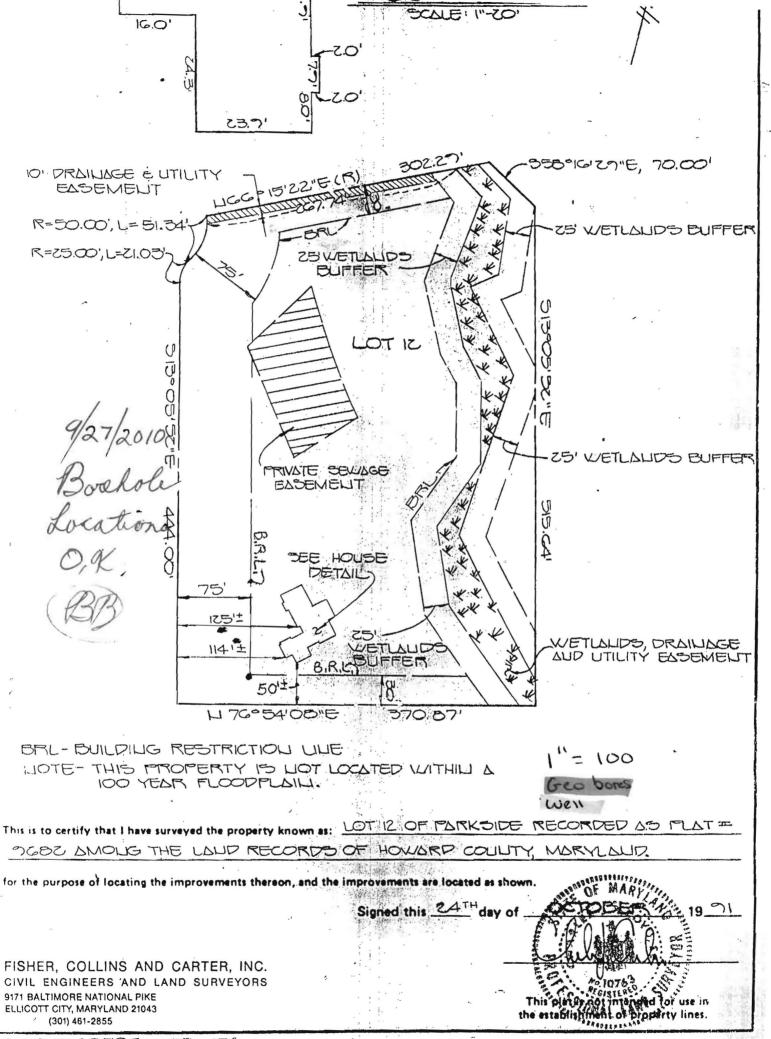


EMERGENCY/TEMP NO. IF ANY STATE PERMIT NUMBER SEQUENCE NO. STATE OF MARYLAND 4660 (MDE USE ONLY) APPLICATION FOR PERMIT TO DRILL WELL please type fill in this form completely LOCATION OF WELL Date Received (APA) B 3 NACI 10 10 OWNER INFORMATION 8 8 COUNTY DD VV 21 Marshal JACK Last Name First Name 34 23 42 15 Owner SUBDIVISION 18 horse Drive SECTION L LOT Street or RFD 36 55 46 44 21163 Woods NOODS MD 52 NEAREST TOWN Town 70 State 72 Zip 76 71 DRILLER INFORMATION MI MILES FROM TOWN (enter 0 if in town) MWD 355 76 77 78 Tichael В 4 License No Driller's Name prse 81 812 0 105 Drive DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD 30 Firm Name 11 2101 N ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 2001 NE (A) Nw Address W 32 E 0 S 13 Date Signature W E 34 SOUTH TOW B 2 WELL INFORMATION DISTANCE FROM ROAD FX APPROX. PUMPING RATE 2 ENTER FT OR MI 38 39 (GAL. PER MIN.) 12 SW 8 BLK: 23 PARCEL 36 S AVERAGE DAILY QUANTITY NEEDED TAX MAP: 20 (GAL. PER DAY) 14 NOT TO BE FILLED IN BY DRILLER USE FOR WATER (CIRCLE APPROPRIATE BOX) HEALTH DEPARTMENT APPROVAL DOMESTIC POTABLE SUPPLY & RESIDENTIAL D IRRIGATION COUNTY NAME COUNTY NO. FARMING (LIVESTOCK WATERING & AGRICULTURAL F STATE IRRIGATION **INSERT S** 22 INDUSTRIAL, COMMERICIAL, DEWATERING T 41 DATE ISSUED PUBLIC WATER SUPPLY WELL P 241 1201 CO SIGNATURE EXP. DATE 48 MM DD 43 YY T TEST, OBSERVATION, MONITORING NORTH EAST 000 000 GRID G GEO-THERMAL 2 bores x 50 57 375 SHOW MAJOR FEATURES OF BOX & LOCATE WELL . APPROXIMATE DEPTH OF WELL FEET WITH AN X 28 SOURCES OF DRILLING WATER NEAREST 1. PotAbkwel APPROXIMATE DIAMETER OF WELL INCH 2 METHOD OF DRILLING (circle one) 3 BORED (or Augered) JETTED Jetted & DRIVEN ³⁰ AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary) WRITE THE BOX NUMBER 37 0 CABLE **REVerse-ROTary** DRive-POINT FROM THE MAP HERE other REPLACEMENT OR DEEPENED WELLS 000 (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL N THIS WELL WILL REPLACE A WELL THAT WILL BE DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN TY ABANDONED AND SEALED RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS S 39 D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 52 W0005 Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER PERMIT No SPECIAL CONDITIONS . NOTE . APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED =



1.10 # 60596 FB 454



Providing Quality Systems for Over 20 Years Commercial & Residential Water Well Drilling Test Borings & Consulting • Geothermal Drilling & Systems NGWA & IGSHPA Certified

Howard County Health Department 7178 Columbia Gateway Drive Columbia, MD 21046 Fax: 410-313-2648 September 9, 2010

Re: 1812 Quarter Horse Drive

Dear Department of Environment:

Please note unless otherwise specified all geothermal bores installed by our company will be installed as follows:

Grout:	Bentonite Grout 20% solids minimum Manufacture(s): Baroid or Wyo-Ben Will be grouted from the bottom to the top with grout material
Piping:	Polyethylene SDR 11 160 PSI as recommended per IGSHPA Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 ¼" IGSHPA Certification Number 12687

Also attached is a cross section diagram of the bore hole.

We would appreciate your help in getting this permit released as soon as possible so that we can expedite this project. If you have any questions, please do not hesitate to contact me.

Sincerely,

Collections

Michael Barlow

