

B 1 **2154**

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
531881 please type

STATE PERMIT NUMBER

H0-95-1798
70 fill in this form completely 79

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13
ADVANCED Heating + Cooling
15 Last Name Owner First Name 34
234 Business Center Drive
36 Street or RFD 55
Reisterstown MD 21136
57 Town 70 State 72 Zip 76

B 3 **Howard** LOCATION OF WELL

8 COUNTY 21
COLMONT FARMS
23 SUBDIVISION 42
SECTION 44 46 LOT **Q1** 48 50
GLEWOOD
52 NEAREST TOWN 71

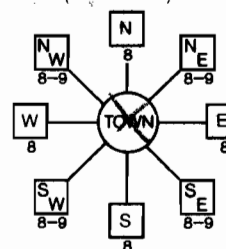
MILES FROM TOWN (enter 0 if in town) **0** M I
73 76 77 78

DRILLER INFORMATION

Michael Barlow MWD 355
Driller's Name 76 License No. 81
Barlow Well Drilling
Firm Name
522 Underwood Lane 21014
Address
8/17/09
Signature Date

B 4

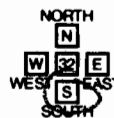
1 2
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



14685 Carrs Mill Rd

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 **2000** 37

DISTANCE FROM ROAD **FT**

ENTER FT OR MI 38 39

TAX MAP: **14** BLK: **9** PARCEL **59**

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **0**
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **0**
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- 22 I INDUSTRIAL, COMMERCIAL, DEWATERING
- P PUBLIC WATER SUPPLY WELL
- T TEST, OBSERVATION, MONITORING
- G GEO-THERMAL **10 x 300'**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) A529539
COUNTY NAME COUNTY NO.

STATE SIGNATURE _____ INSERT S _____ 41

DATE ISSUED **8/31/2009** **Brian Baker** **8/31/2010**

43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID **533 000** EAST GRID **792 000**
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET
24 28

APPROXIMATE DIAMETER OF WELL **6** 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 _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
- Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- 39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- D THIS WELL WILL DEEPEM 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)

APPROX. PERMIT NUMBER **G**
PERMIT No. **H0-95-1798**
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

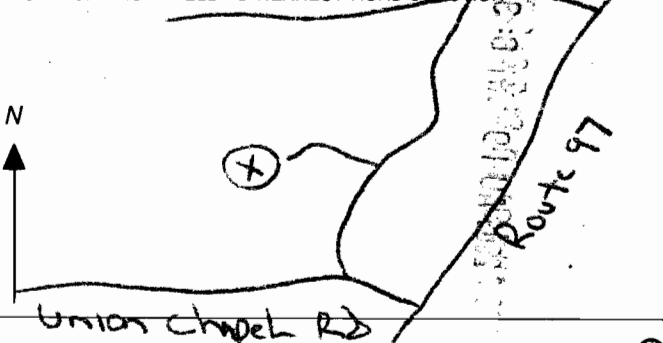
SOURCES OF DRILLING WATER

- 1.
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E **7902**
N **5303**

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND FIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION





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

August 17, 2009

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

Re: 14685 Carrs Mill Road

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 1/4"
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,

Michael Barlow