

C1 13711 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

ST/CO USE ONLY DATE Received MM DD YY 12 15 12

DATE WELL COMPLETED MM DD YY 12 14 11 Depth of Well 22 300 26 2/29/2012

PERMIT NO. FROM "PERMIT TO DRILL WELL" MO 95-2195

OWNER PETERSON KYLE last name first name WELL SITE ADDRESS 9314 DECATUR RD TOWN LAUREL, MD 20723

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: SOIL CLAY HARD GREEN ROCK, 2 Bores x 300.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL (C) M BENTONITE CLAY (B) C NO. OF BAGS 62 NO. OF POUNDS 3100

CASING RECORD MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot)

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

SCREEN RECORD screen type or open hole (S) T (B) R (H) O (P) L (O) T (I) N

PUMPING TEST HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 WHEN PUMPING 22 25

PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO) 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

NUMBER OF UNSUCCESSFUL WELLS: 0 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.

DRILLERS LIC. NO. 1 MWD 355 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 MSD 066 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

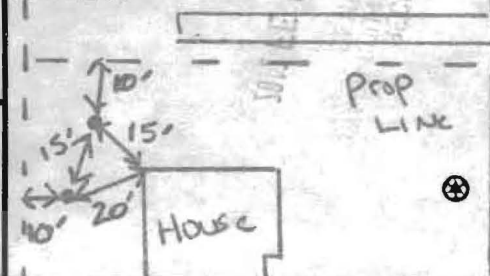
DEPTH (nearest ft.) A C H S R E N 1 8 9 11 15 17 21 2 23 24 26 30 32 36 3 38 39 41 45 47 51

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

LATITUDE 39.06823 LONGITUDE 76.50365 (DEFAULT COORD. WGS 84) NOTES:



B 1 2284 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER HO 95-2195  
 1 2 3 6 70 79  
 please type 535940 fill in this form completely

Date Received (APA) 08 12 11  
 8 MM DD YY 13  
**OWNER INFORMATION**  
Peterson Kyle  
 15 Last Name Owner First Name 34  
9314 Decatur Road  
 36 Street or RFD 55  
Laurel MD 20723  
 57 Town 70 State 72 Zip 76

B 3 **LOCATION OF WELL**  
Howard  
 8 COUNTY 21  
Brunks Add North Laurel  
 23 SUBDIVISION 42  
 SECTION 44 46 LOT 17+18  
 48 50  
Laurel  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) 0 M I  
 73 76 77 78

**DRILLER INFORMATION**  
Michael Barlow M WD 355  
 Driller's Name 76 License No. 81  
Barlow Well Drilling  
 Firm Name  
572 Underwood Lane 21014  
 Address  
[Signature] 8/9/11  
 Signature Date

B 4 **DIRECTION OF WELL FROM TOWN (CIRCLE BOX)**  
 1 2  
 N W N E W E S W S E S  
 8-9 8-9 8-9 8-9  
 TOWN  
 8 8 8 8  
 (9314) Decatur Rd  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH N  
 WEST W EAST E  
 SOUTH S  
 34 100 37  
 DISTANCE FROM ROAD FT 38 39  
 ENTER FT OR MI  
 TAX MAP: 50 BLK: 4 PARCEL 414

B 2 **WELL INFORMATION**  
 1 2  
 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)**  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 GEO-THERMAL 2 Bores x 300

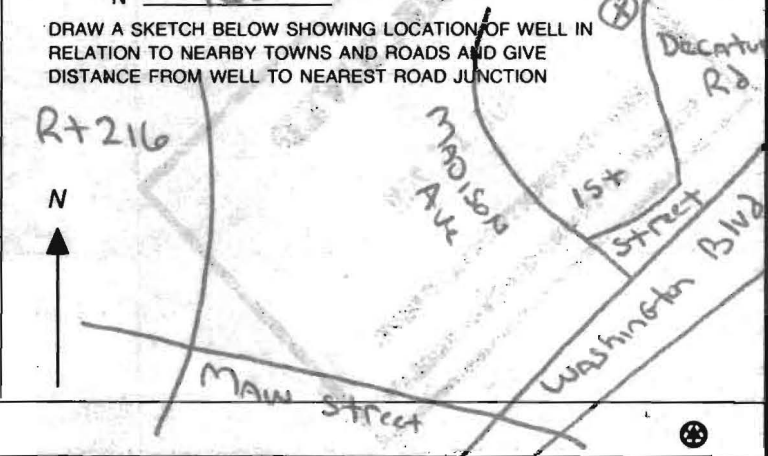
**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
Howard (13) Public  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S → 41  
 DATE ISSUED 8/24/2011 Brian Baker 8/24/2012  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE  
 NORTH GRID 466 000 EAST GRID 846 000  
 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET  
 24 28  
 APPROXIMATE DIAMETER OF WELL 6 INCH  
 NEAREST TOWN

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  
 E 846  
 N 466

**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)**  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL - Public water/ Sewer  
 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 DEEPEM AN EXISTING WELL  
 39 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 \_\_\_\_\_ G \_\_\_\_\_  
 PERMIT No. HO 95-2195  
 70 71 72 73 74 75 76 77 78 79

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

Prop Line

20'

Deck

9314

Decatur R2

Public Utilities

8/25/2011

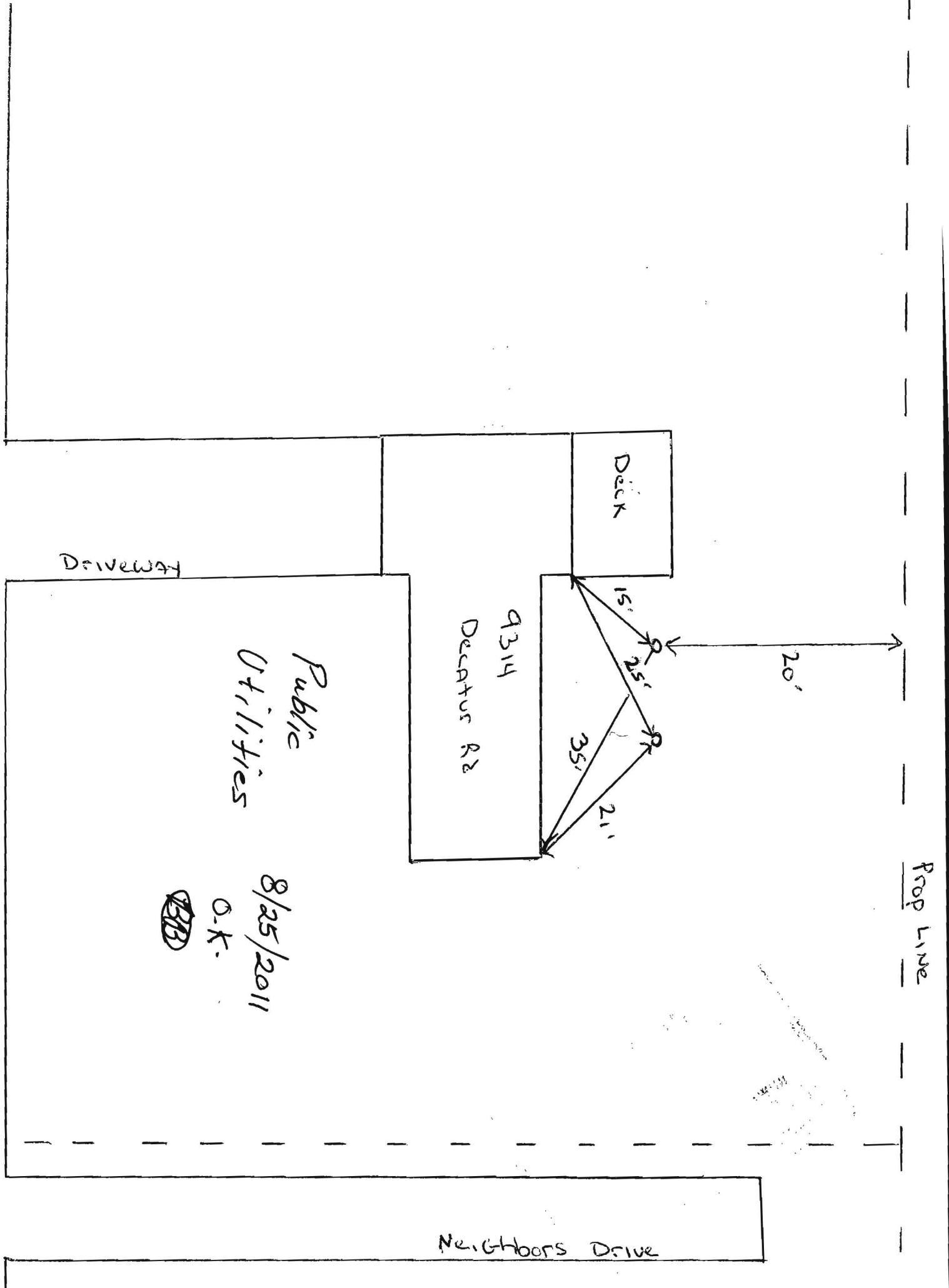
O.K.



DRIVEWAY

Neighbors Drive

Decatur Road



**MICHAEL BARLOW WELL DRILLING  
522 UNDERWOOD LANE  
BEL AIR, MD 21014  
410-838-6910**

August 9, 2011

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

Re: 9314 Decatur Road, Laurel, Maryland

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

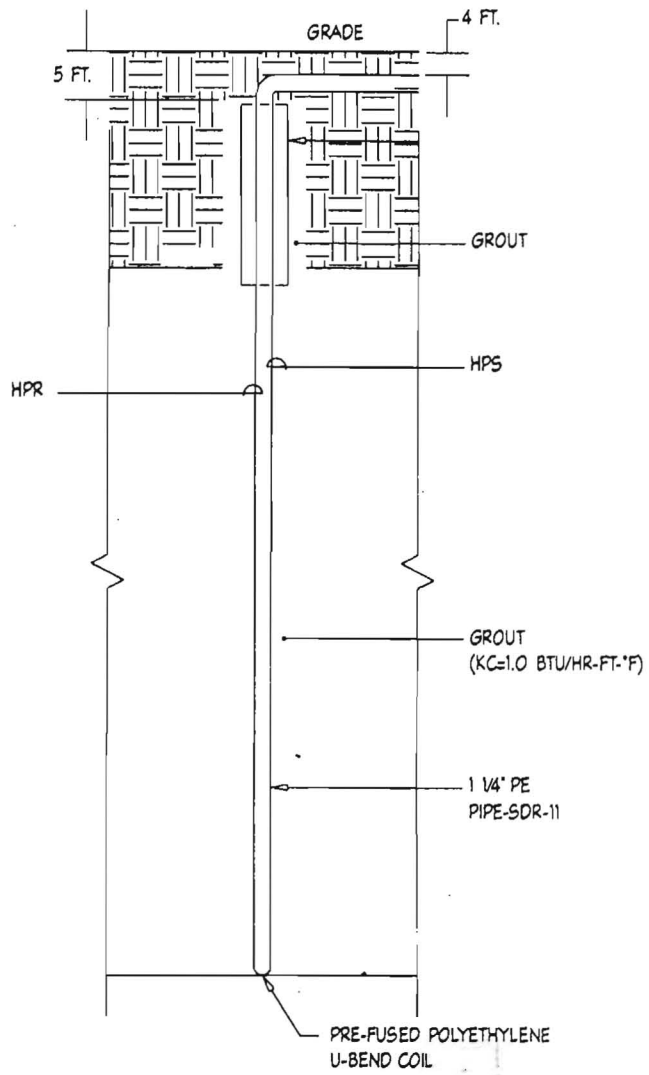
Also attached is a cross section diagram of the bore hole.

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



4 TYPICAL BORE HOLE DETAIL  
 M1.00 NOT TO SCALE