

C119786

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

1236  
(THIS NUMBER IS TO BE PUNCHED  
IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY  
DATE Received  
MMDDYY  
012413

DATE WELL COMPLETED  
MMDDYY  
111512

Depth of Well  
2227026  
(TO NEAREST FOOT)

PERMIT NO.  
FROM "PERMIT TO DRILL WELL"  
HO-95-2399

OWNER  
WELL SITE ADDRESS  
SUBDIVISION

12206 Carroll M. II  
WOODMARK

TOWN  
3  
SECTION  
3  
LOT  
51

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		check if water bearing
	FROM	TO	
SOIL	0	5	
Red clay	5	17	
Brown Shale	17	35	
Schist	35	270	

GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 22 NO. OF POUNDS 100

GALLONS OF WATER 350

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 270 ft.

CASING RECORD

MAIN CASING TYPE

Nominal diameter top (main) casing (nearest inch)

Total depth of main casing (nearest foot)

OTHER CASING (if used)

SCREEN RECORD

DEPTH (nearest ft.)

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

WHEN PUMPING

TYPE OF PUMP USED (for test)

PUMP INSTALLED

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER

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. MWD 355

DRILLERS SIGNATURE

SITE SUPERVISOR (sign. of driller or journeyman  
responsible for sitework if different from permittee)

DEPTH (nearest ft.)

SLOT SIZE 1 2 3

DIAMETER OF SCREEN

GRAVEL PACK

MDE USE ONLY

PUMP COLUMN LENGTH

CASING HEIGHT

LATITUDE 39.27274

LONGITUDE 76.93576

NOTES:

B 1	18601	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <i>538066A</i> please type	STATE PERMIT NUMBER <i>40-95-2399</i> <small>fill in this form completely</small>
Date Received (APA) <i>07/13/12</i> 8 MM DD YY 13		OWNER INFORMATION		
15 Last Name <i>Rice</i>		Owner First Name <i>John</i>		
36 Street or RFD <i>12206 Carroll M-11 RD</i>		55		
57 Town <i>Ellkott City MD</i>		70 State 72 Zip 76 <i>21042</i>		
DRILLER INFORMATION				
Driller's Name <i>Michael Barlow</i>		76 License No. 81 <i>MWD355</i>		
Firm Name <i>Barlow Well Drilling</i>				
Address <i>522 Underwood Lane</i>				
Signature <i>[Signature]</i>		Date <i>9-9-12</i>		
B 2	WELL INFORMATION			
1	APPROX. PUMPING RATE (GAL. PER MIN.)			
2	8 12			
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		14 20		
USE FOR WATER (CIRCLE APPROPRIATE BOX)				
<input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION				
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)				
22	<input checked="" type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING			
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL				
<input type="checkbox"/> TEST, OBSERVATION, MONITORING				
<input type="checkbox"/> OPEN LOOP GEOTHERMAL				
<input checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL <i>3 bores x 275</i>				
APPROXIMATE DEPTH OF WELL <i>275</i> FEET				
APPROXIMATE DIAMETER OF WELL <i>6</i> 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)				
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED				
39	<input type="checkbox"/> 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"/> THIS WELL WILL DEEPEMED 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. <i>40-95-2399</i> 70 71 72 73 74 75 76 77 78 79				
SPECIAL CONDITIONS				
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

B 3	LOCATION OF WELL			
8 COUNTY <i>Howard</i>		21		
23 SUBDIVISION <i>Woodmark</i>		42		
SECTION <i>3</i>		LOT <i>57</i>		
44 46		48 50		
52 NEAREST TOWN <i>West Friendship</i>		71		

B 4	SOURCES OF DRILLING WATER			
1. <i>Well</i>				
2. _____				
3. _____				
11 STREET ADDRESS 30 <i>12206 Carroll M-11 RD</i>				
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)				
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">             NORTH N WEST W SOUTH S EAST E           </div> <div style="text-align: center;">             34 <i>250</i> 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 <i>FT</i> </div> </div>				
TAX MAP: <i>23</i> BLK: <i>7</i> PARCEL <i>89</i>				

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL	
<i>Howard</i> (13) <i>P37012</i>	
COUNTY NAME	COUNTY NO.
STATE SIGNATURE	INSERT S →
DATE ISSUED	41
<i>9/26/2012</i> <i>Brian Baker</i> <i>9/26/2013</i>	
43 MM DD YY 48	CO SIGNATURE / EXP. DATE

PROPOSED LOCATION OF WELL ON LOT  
SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM,  
ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO  
DISTANCE MEASUREMENTS TO WELL

*810/520*

*Carroll M-11 RD*

*Benson Branch RD*

N  
↑

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

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

September 9, 2012

Re: 12206 Carroll Mill Road, Ellicott City

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.

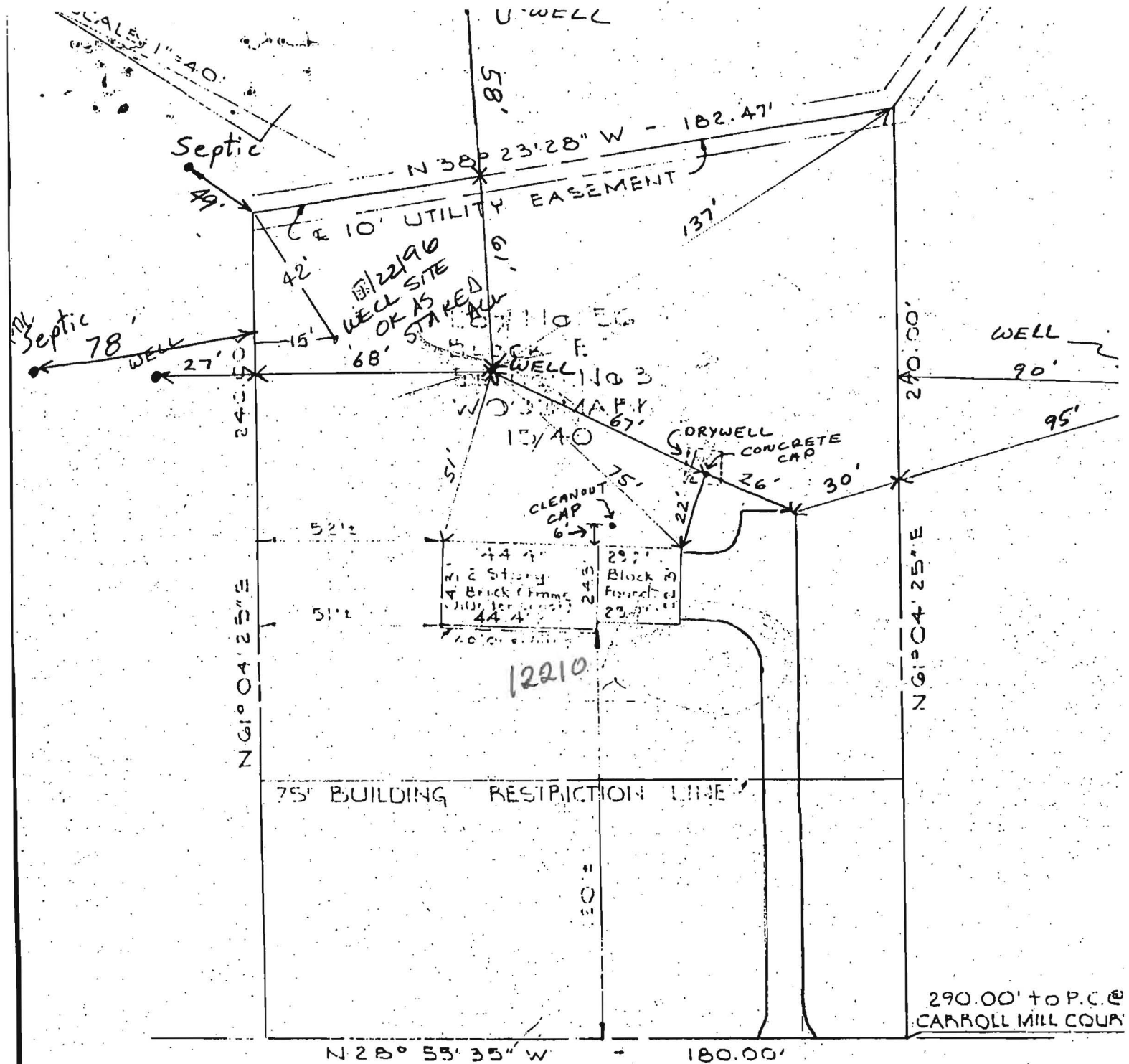
We would appreciate your help in getting this permit released as soon as possible so that we can expedite this project. If you have any questions, please do not hesitate to contact me.

Sincerely,



Michael Barlow





CARROLL MILL ROAD  
 GREGORY RESIDENCE  
 12210 CARROLL MILL ROAD  
 ELICOTT CITY MD.

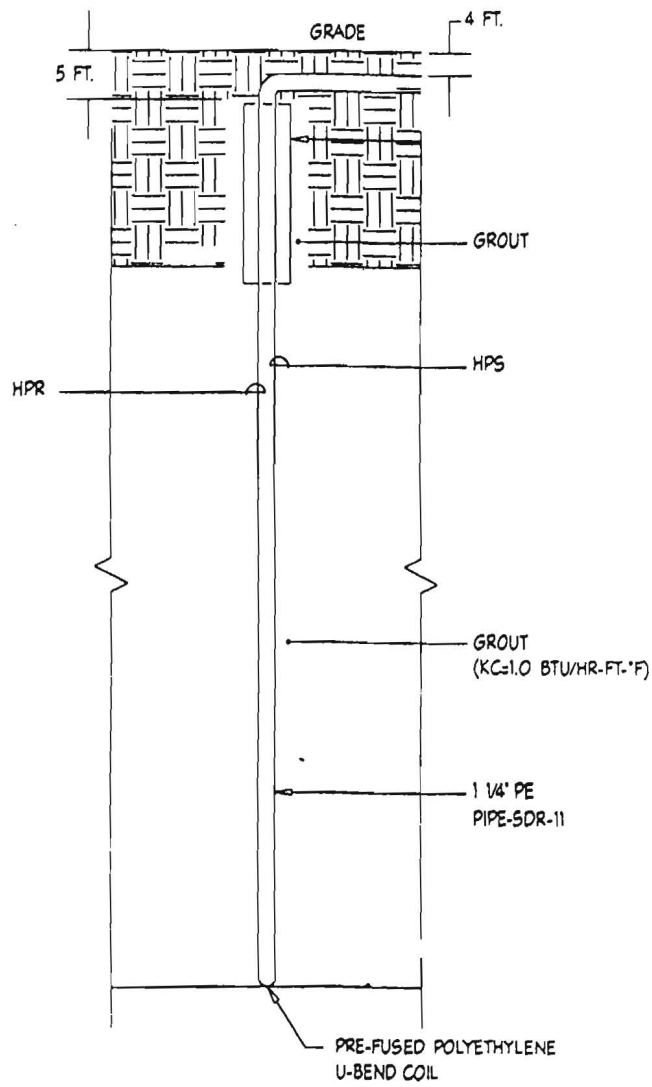
This is to certify that I have surveyed the property known as: Lot No. 56 - Block 'E' - Section No. 3  
"WOODMARK", Third Election District, Howard County, Maryland

for the purpose of locating the improvements thereon, and the improvements are located as shown.

Signed this 26<sup>TH</sup> day of MAY 1972

PURDUM AND JESCHKE

*Carl H. Purdum*



4 TYPICAL BORE HOLE DETAIL  
 M1.00 NOT TO SCALE