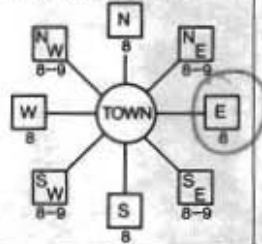
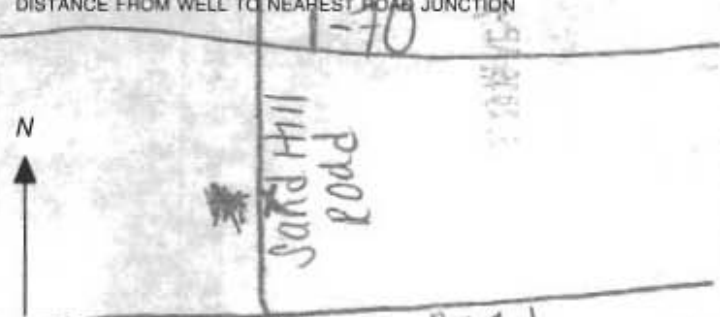


C1 4772	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
	1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER
ST/CO USE ONLY DATE RECEIVED MM DD YY 8 13	DATE WELL COMPLETED MM DD YY 4 27 09	Depth of Well 22 265 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-95-1753

OWNER HAYES CHRIS	STREET OR RFD 2553 Sand Hill Rd	TOWN ELICOTT CITY
SUBDIVISION	SECTION	LOT

<b>WELL LOG</b> Not required for driven wells		<b>GROUTING RECORD</b> WELL HAS BEEN GROUTED (Circle appropriate box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT <input checked="" type="checkbox"/> M BENTONITE CLAY <input checked="" type="checkbox"/> BC NO. OF BAGS 45 46 NO. OF POUNDS 45 46 GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)		<b>C 3</b> <b>PUMPING TEST</b> 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 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) <input checked="" type="checkbox"/> A air <input checked="" type="checkbox"/> P piston <input checked="" type="checkbox"/> T turbine <input checked="" type="checkbox"/> C centrifugal <input checked="" type="checkbox"/> R rotary <input checked="" type="checkbox"/> O other (describe below) <input checked="" type="checkbox"/> J jet <input checked="" type="checkbox"/> S submersible
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		<b>CASING RECORD</b> casing types insert appropriate code below <input checked="" type="checkbox"/> ST STEEL <input checked="" type="checkbox"/> CO CONCRETE <input checked="" type="checkbox"/> PL PLASTIC <input checked="" type="checkbox"/> OT OTHER MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) 60 61 63 64 66 70 <b>OTHER CASING (if used)</b> EACH CASING diameter inch depth (feet) from to <b>SCREEN RECORD</b> screen type or open hole insert appropriate code below <input checked="" type="checkbox"/> ST STEEL <input checked="" type="checkbox"/> BR BRASS <input checked="" type="checkbox"/> HO OPEN HOLE <input checked="" type="checkbox"/> PL PLASTIC <input checked="" type="checkbox"/> OT OTHER <b>C 2</b> DEPTH (nearest ft.) 1 2 E 1 8 9 11 15 17 21 A 23 24 26 30 32 36 C 38 39 41 45 47 51 S R E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 58 60 from to GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 66 68		
DESCRIPTION (Use additional sheets if needed)		FEET FROM TO check if water bearing		<b>PUMP INSTALLED</b> 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 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) <input checked="" type="checkbox"/> + above LAND SURFACE (nearest foot) <input checked="" type="checkbox"/> - below 49 51
Dirt 0 5 Soft Brown 5 9 Sandy Brown 9 19 Hard Tan 19 27 Med Hard Gray 27 181 Soft White 181 188 Med Hard Gray 188 265  X 3 Gals		0 5 5 9 9 19 19 27 27 181 181 188 188 265		
NUMBER OF UNSUCCESSFUL WELLS: 0		WELL HYDROFRACTURED YES NO <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N		<b>LOCATION OF WELL ON LOT</b> SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) #2555 30' 15' X 15' X
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		DRILLERS LIC. NO. M WD 355 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. M WD 553		
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.		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		
SITE SUPERVISOR (sign, of driller or journeyman responsible for sitework if different from permittee)				

B 1 <b>2071</b> 1 2 3 6	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <b>HO-95-1753</b> <small>fill in this form completely</small>
Date Received (APA) 8 MM DD YY 13 <b>Hayes, Chris</b> 15 Last Name Owner First Name 34 <b>2555 Sand Hill Road</b> 36 Street or RFD 55 <b>Elkport Cn, Md 21042</b> 57 Town 70 State 72 Zip 76		B 3 <b>Howard</b> LOCATION OF WELL 8 COUNTY 21 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 <b>West Friendship</b> 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 73 76 77 78 <b>1</b>	
DRILLER INFORMATION <b>Michael Barlow</b> M N D 355 Driller's Name 76 License No. 81 <b>Barlow Well Drilling Service</b> Firm Name <b>522 Underwood Ln, Bel Air, Md</b> Address <b>4/2/09</b> Signature Date		B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  <b>2555 Sand Hill Rd</b> 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W SOUTH S EAST E <b>45</b> 34 DISTANCE FROM ROAD 37 ENTER FT OR MI 38 39 TAX MAP: <b>16</b> BLK: <b>7</b> PARCEL: <b>68</b>	
B 2 <b>WELL INFORMATION</b> 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 <b>0</b> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 <b>000</b>		USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> P PUBLIC WATER SUPPLY WELL <input type="checkbox"/> T TEST, OBSERVATION, MONITORING <input checked="" type="checkbox"/> G GEO-THERMAL <b>3-250'</b>	
APPROXIMATE DEPTH OF WELL <b>250</b> FEET 24 28 APPROXIMATE DIAMETER OF WELL <b>6</b> INCH 30 37 NEAREST INCH		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL <b>Howard (13) A513203-V</b> COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S 41 DATE ISSUED <b>4/16/2009</b> <b>Brian Baker</b> <b>4/16/2010</b> 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID <b>534</b> 0 0 0 EAST GRID <b>821</b> 0 0 0 50 55 57 63	
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		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 <b>8201</b> N <b>5304</b> 000 000	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> S 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"/> D THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER <b>G</b> PERMIT No. <b>HO-95-1753</b> 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS <b>Please Submit a Completion Report Frederick Road</b> <small>NOTE - APPROVING AUTHORITIES SHOULD REVIEW THIS INFORMATION</small>			



**Maryland Department of Assessments and Taxation**  
**HOWARD COUNTY**  
**Real Property Data Search** (2007 vw6.3)

[Go Back](#)  
[View Map](#)  
[New Search](#)

**Account Identifier:** District - 03 Account Number - 282821

**Owner Information**

**Owner Name:** HAYES CHRISTOPHER M  
 HAYES WYNNE K  
**Use:** RESIDENTIAL  
**Principal Residence:** YES  
**Mailing Address:** 2555 SAND HILL RD  
 ELLICOTT CITY MD 21042-1041  
**Deed Reference:** 1) / 2320/ 633  
 2)

**Location & Structure Information**

**Premises Address**  
 2555 SAND HILL RD  
 ELLICOTT CITY 21042  
**Legal Description**  
 6.4 A  
 2555 SAND HILL RD  
 ELLICOTT CITY

Map	Grid	Parcel	Sub District	Subdivision	Section	Block	Lot	Assessment Area	Plat No: Plat Ref:
16	7	68						1	

**Special Tax Areas**  
 Town  
 Ad Valorem  
 Tax Class  
 A/V, METRO FIRE TAX

Primary Structure Built	Enclosed Area	Property Land Area	County Use
1956	2,080 SF	6.40 AC	

Stories	Basement	Type	Exterior
1	NO	STANDARD UNIT	STUCCO

**Value Information**

	Base Value	Value As Of 01/01/2007	Phase-in Assessments As Of 07/01/2008	As Of 07/01/2009
Land	215,500	343,000		
Improvements:	117,880	255,350		
<b>Total:</b>	333,380	598,350	510,026	598,350
Preferential Land:	0	0	0	0

**Transfer Information**

<b>Seller:</b> WITTE DONALD	<b>Date:</b> 05/06/1991	<b>Price:</b> \$189,900
<b>Type:</b> IMPROVED ARMS-LENGTH	<b>Deed1:</b> / 2320/ 633	<b>Deed2:</b>
<b>Seller:</b> CRAWFORD HENRY L & WF	<b>Date:</b> 06/30/1987	<b>Price:</b> \$145,100
<b>Type:</b> IMPROVED ARMS-LENGTH	<b>Deed1:</b> / 1680/ 24	<b>Deed2:</b>
<b>Seller:</b>	<b>Date:</b>	<b>Price:</b>
<b>Type:</b>	<b>Deed1:</b>	<b>Deed2:</b>

**Exemption Information**

Partial Exempt Assessments	Class	07/01/2008	07/01/2009
County	000	0	0
State	000	0	0
Municipal	000	0	0

**Tax Exempt:** NO  
**Exempt Class:**

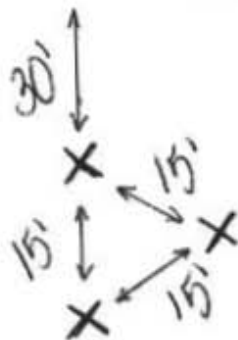
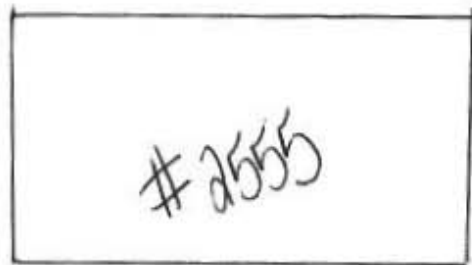
**Special Tax Recapture:**  
 \* NONE \*

A513203-V





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



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SAND HILL ROAD

OWNER:  
MR. CHRIS HAYES  
2555 SAND HILL RD  
ELLCOTT CITY, MD 21042



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

April 17, 2009

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

Re: Mr. Chris Hayes  
2555 Sand Hill Rd, Ellicott City, Maryland

Dear Mr. Baker:

This letter is in reference to the message you left on 4/16/09. 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 top to the bottom with grout material
- Piping: Polyethylene SDR 11 160 PSI as recommended per IGSHA  
Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 1/4"  
IGSHA Certification Number 12687

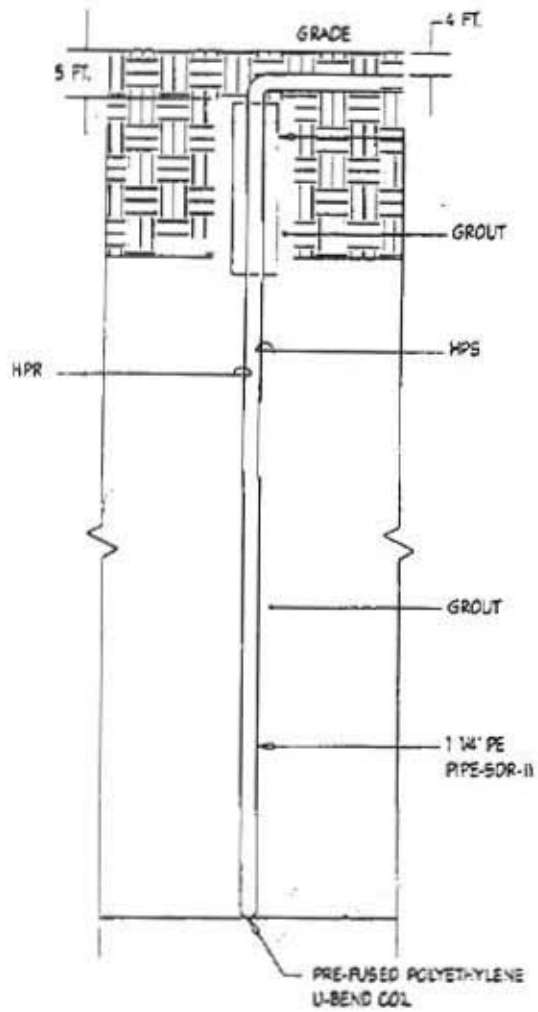
Also attached is a cross section diagram of the bore hole.

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,

A handwritten signature in cursive script, appearing to read 'Michael Barlow', is written over a horizontal line.

Michael Barlow



4 TYPICAL BORE HOLE DETAIL  
NOT TO SCALE