DRILLER: REMOVE COPY AND RETAIN FOR YOUR RECORDS. RETURN COUNTY COPY TO COUNTY ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT OF ENVIRONMENT, 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224.

C 1 4909 SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.		
t 2 3 6 (THIS NUMBER IS TO BE PUNCHED		WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER		
ST/CO USE ONLY DATE Received MM CO YY 8 13 15	COMPL		PERMIT NO. FROM "PERMIT TO DRILL WELL!" 28 29 30 31 32 33 34 35 36 37		
OWNER	AA	VOOD STRUM TOURTOWN _	Ellicott city		
SUBDIVISION		SECTION	LOT		
WELL LOG		GROUTING RECORD YOS NO N	C 3		
Not required for driven wells	TUCID	(Circle Appropriate Box)	PUMPING TEST		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (1889) FEET Check		TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM RENTONITE CLAY	HOURS PUMPED (nearest hour)		
additional sheets if needed) FROM TO	check if water bearing	NO. OF BAGS 46 DNO. OF POUNDS	PUMPING RATE (gal. per min.)		
D. Jo 10 3		GALLONS OF WATER	METHOD USED TO		
Got & Brown 3 42]	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	MEASURE PUMPING RATE		
Mars 61ey (12) 265	1	(enter 0 if from surface)	WATER LEVEL (distance from land surface)		
"		casing CASING RECORD types	BEFORE PUMPING 17 20 ft.		
1		insert STEEL CONCRETE	WHEN PUMPING 22 25 It.		
		code below PLASTIC OTHER	TYPE OF BOMP USED (for test)		
]		MAIN Nominal diameter Total depth	A sir P piston T turbine		
		CASING top (main) casing of mein casing TYPE (nearest inoff)! (nearest foot)	centrifugal R rotary (describe below)		
(3) 265 600 /dol	/ac	60 61 63 64 66 70	J jet S submeraible		
3 265 40 100		E OFFER CASING (if used) A diameter depth (feet) inch from to	27 27		
		inch from to	<u>PUMP INSTALLED</u> DRILLER INSTALLED PUMP YES NO		
		s	(CIRCLE) (YES or NO)		
		G CONTRACTOR	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.		
		screen type or open hole STBR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.		
		insert STEEL BRASS OPEN appropriate BRONZE HOLE	CAPACITY:		
<u> </u>		below / PL OT	GALLONS PER MINUTE (to nearest gallon) 31 35		
		PLASTIC OTHER	PUMP HORSE POWER 37 41		
NUMBER OF UNSUCCESSFUL WELLS:	<i>₹</i>	C 2 DEPTH (néarest ft.)	PUMP COLUMN LENGTH (nearest ft.)		
WELL HYDROFRACTURED Yes		E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box		
CIRCLE APPROPRIATE LETTER	کیار_	C 2 23 24 28 30 32 36	48 LAND SURFACE		
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED		s c ₃	below r (nearest) foot)		
E ELECTRIC LOG OBTAINED D TEST WELL CONVERTED TO PRODUCTION		B 38 39 41 45 47 51 E E SMOT SIZE 1 2 3	49 50 51 A LOCATION OF WELL ON LOT		
HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04 OF "WELL CONSTRUCTION" AND		E SLOT SIZE 1 2 3 N / OIAMETER (NEAREST	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR		
ACCOMPANCE WITH COMAR 28,04 OF "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		OF SCREEN INCH}	LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES		
KNOWLEDGE.	. ===	from to	MEASUREMENTS TO WELL) # 2401		
DRILLEAS LIC. NO. 1 M MD 355		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL	1 2101		
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)		WSERT F W BOX 66 68 MDE USE ONLY	<i>1</i> 0		
LIC. NO.1 MWD 55	<u>59</u> ,	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	ľžxs		
		70 72	3 x x 15 €		
SITE SUPERVISOR (sign, of driller or journey responsible for sitework if different from permi		TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	May stem Colo		

B 1 2093 SEQUENCE NO.		MARYLAND	STATE PERMIT NUMBER
1 2 3 6		ERMIT TO DRILL WELL e type	$\frac{10-75-79}{79}$
Date Received (APA)	331034		LOCATION OF WELL
OWNER INFO	RMATION	HOWEN T	50
LACSON ALICE	1	Sanda	H.11 Est
15 Last Name Owner	First Name 34	23 SUBDIVISION	1/
2401 Wood Strong	<u>, C T</u>	SECTION 44 46	LOT 48 50
Ellicott City Mi			-indship
57 Town 70 State DRILLER INFORMATION	72 Zip 76	52 NEAREST TOWN	71
	$_{\rm M}$ $\omega_{\rm D}$ 355	MILES FROM TOWN (ente	73 76 77 78
Oritler's Name	6 License No. 81	B 4 1 2	24d wood stream ct
Barlow Well Dr. 11. 7)	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11: NEAR WHAT ROAD - 30
522 Unbarwood Lonc	21014	N N NE	ON WHICH SIDE OF ROAD NORTH
Address 11: 9008	6/2/09		(CIRCLE APPROPRIATE BOX) WITE WEST SEAT
Signature	Date	W(ww)\E-1	34 (2) 37 SOUTH
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE - (GAL. PER MIN.)	8 2 12		ENTER FT OR MI 38 39
AVERAGE DAILY QUANTITY NEEDED	0		TAX MAP: 16 BLK: 2 PARCEL 312
(GAL PER DAY) 14 USE FOR WATER ICIRCLE AR	PPROPRIATE BOX)	NOT TO	BE FILLED IN BY DRILLER
DOMESTIC POTABLE SUPPLY & RESIDE	NTIAL	HEALTH	H DEPARTMENT APPROVAL
IRRIGATION	RICULTURAL	COUNTY NAME	COUNTY NO.
IRRIGATION	•	STATE SIGNATURĘ	INSERT S
22 INDUSTRIAL, COMMERICIAL, DEWATERI	Charles I last	DATE ISSUED	Total 6/19 ho
TEST, OBSERVATION, MONITORING	Cused cup	43 MM ON YY 48	CO SIGNATURE LAST EXP. DATE
(G) GEO-THERMAL 3how x 7	ر ځي)	NORTH 3 36 0	0.0 GRID 8/7 000
1	<u> </u>	SHOW MAJOR FEATURES	OF
APPROXIMATE DEPTH OF WELL	S FEET	BOX & LOCATE WELL '_ WITH AN X	 [/
APPROXIMATE DIAMETER OF WELL	NEAREST INCH	SOURCES OF DRILLING V	VATER
METHOD OF DRILLING		2.	
BORED (or Augered) JETTED	Jetted & DRIVEN	3.	/ /*/
30 AIR-ROTary AIR-PERcussion	ROTARY (Hydraulic Rotary)	WRITE THE BOX NUMBER	
Olher REVERSE ROTARY	DRive POINT	FROM THE MAP HERE	1 45
REPLACEMENT OR DEEPL		E 819	7 000 1
(CIRCLE APPROPRIATE	•	, 536	- 000 7-3
THIS WELL WILL REPLACE A WELL THAT		DRAW A SKETCH BELOW	SHOWING LOCATION OF WELL IN LOOD
ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT AS A STANDRY-CONTACT LOCAL APPROV		I THE CALL OF THE PARTY OF THE	OWNS AND ROADS AND SIVE STREAM CT
FOR POLICY ON STANDBY WELLS			8
PERMIT NUMBER OF WELL TO BE REPLACED O			
(IF AVAILABLE) 41	52] N	/*
Not to be filled in by driller (MDE OR C	OUNTY USE ONLY)		Ser Or Williams
APPROP. PERMIT NUMBER	G _	R+	/, &
PERMIT No. HO.	- <u>15-17</u> 74	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	144
SPECIAL CONDITIONS	2 73 74 75 76 77 78 79	1 1	
NOTE - APPROVING AUTHORITIES SHOUTH USE SITEMARTE SHEET IF MI EDEO &		<u></u>	

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS 3430 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043 PERMITS (410)313-2455 INSPECTIONS (410)312-1850

HOWARD COUNTY RESIDENTIAL **HEATING-VENTILATION-AIR** CONDITIONING AND REFRIGERATION PERMIT APPLICATION

HVACR PERMIT # M09000492

		LICATION		
BUILDING ADDRESS:	SUITE/APT.			
2401 Wood Stran	o Ct	OWNERS NA	ME: HIICL	Carson
Fililett Cult man	~ () () () () () () () () () (ADDRESS: 2	DI LAIRED	Ctura a Cod
Elliust City IMD subdivision:	91019	· ·	in books	SITEMAN CI
CENSUS TRACT: SECTION:				
LOT: TAX MAD.	AREA: PARCEL:	city: Ellicut	aty	
BLOCK: ZONE:	FARCEL:	STATE: MI		
PROPERTY ID: MAP COOP	.	SIAIE: IILI)		ZIP CODE: 21043
mai cook	DINATES:	HOME PHONE	i <u>.</u>	WORK PHONE:
TYPE OF IMPROVEMENT:	USE:	. I	•	TONK PHONE:
	•	443.535-91	2i	
CHECK ONE	HOME	<u> </u>		
	HOW MANY	COMPANY NA	ME: LOVES	Hearing & Airiting
	,	LICENSEE NA	are. I.a. 1	J VIII JUVIG
SINGLE FAMILY DWELLING	r 1	LICENSEE NAI	ו מעסרייםיי	Daviasor
	ZONES	ADDRESS: P.O	Bun 201	
SINGLE FAMILY TOWNHOUSE	1	ſ	940 0.70	•
	ZOIVES	00.00		•
MULTI-FAMILY / HOTEL/MOTEL [UNITS	city: Severn	• .	•
		STATE: MD		710 000 - 24444
-	•	1.		ZIP CODE: 21144
		PHONE: 41055	1-12-71	HVACE LICENSE NO:
New		170 00	1. 1.5 70	50/3
☐ Heating and Air Conditioning	· 🖟 Heating	System Only	2	Other Work (Describe):
Replacement Heating Air Conditioning	□ Heating	Additions	ond Alterati	Other Work (Describe): Lo Ynuma (
Replacement	□ Heating:	Additions	and Alterati	cothermal
Replacement Heating Air Conditioning	□ Heating:	Additions	ond Alterati	cothermal
Replacement Heating Air Conditioning Heating and Air Conditioning	□ Heating	Additions Heating Air Cond Heating	and Alterati	cothermal
Replacement Heating Air Conditioning Heating and Air Conditioning Ones		Additions	and Alterati	cothermal
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Replacement Heating Air Conditioning Heating and Air Conditioning Format Heating and Air Conditioning Heating Heating Heating and Air Conditioning Heating H	(40) = 4 \$50 94 AD THIS APPLICATION	Additions Heating Air Cone Heating Heating Units Permit Fee = ; Technology Fe Plus Application Total Fees Due	and Alteratiditioning and Air Co	Co Yruma (ons inditioning × \$80 = Permit Fee) = \$50
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DATE

Receipt Number:

Cash:

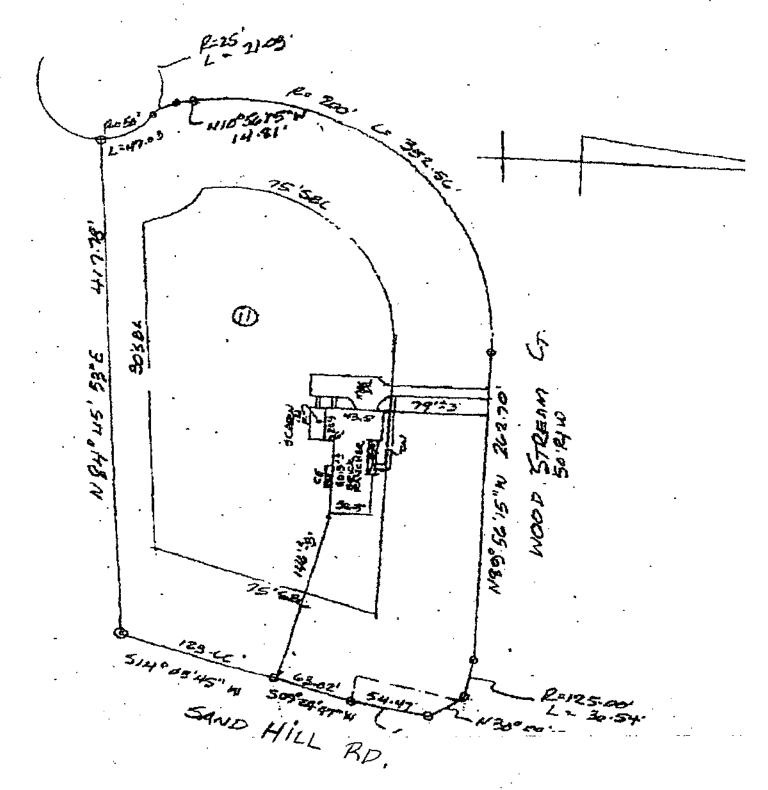
Viake check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY F:\Chiafip\HVACR4.WPD REV 6/17/04

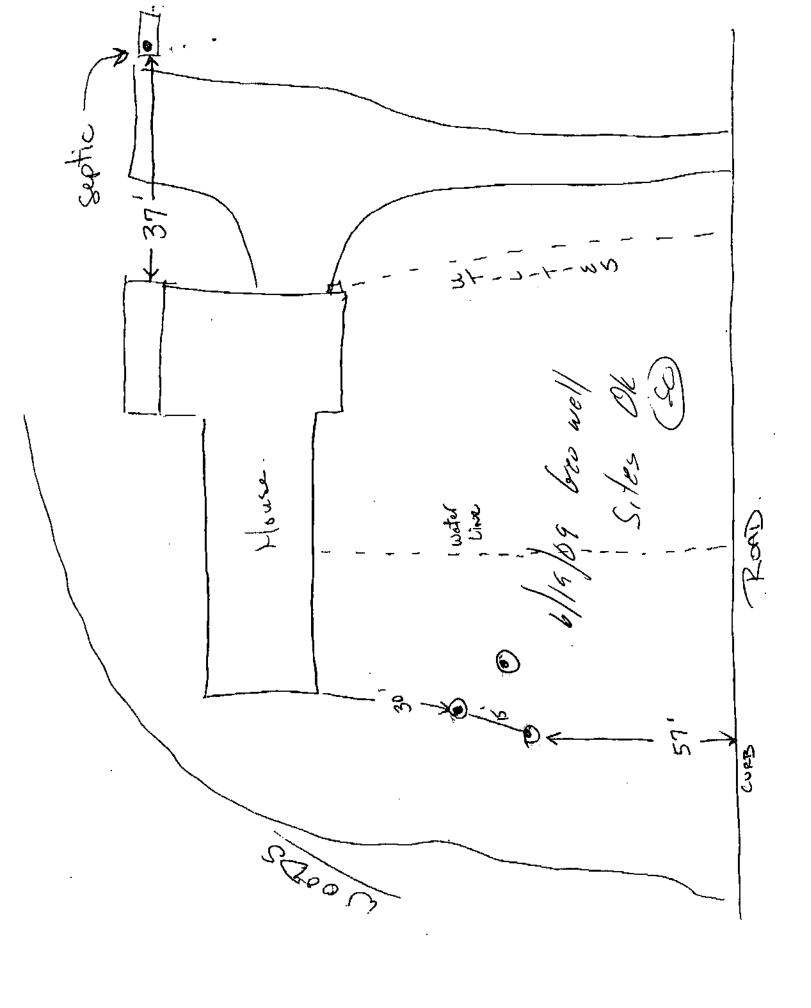
30 1

SIGNATURE OF LICENSED CONTRACTOR

PRINT NAME

Ja Vir







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

June 2, 2009

Mr. Brian Baker Howard County Health Department 7178 Columbia Gateway Drive Columbia, MD 21046

Fax: 410-313-2648

Re: Mrs. Alice Larson

2401 Wood Stream Court, West Friendship, Maryland

Dear Mr. Baker:

The following materials will be used in the process of installing the geothermal bores at the above site.

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 IGSHPA

Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 1/4"

IGSHPA Certification Number 12687

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