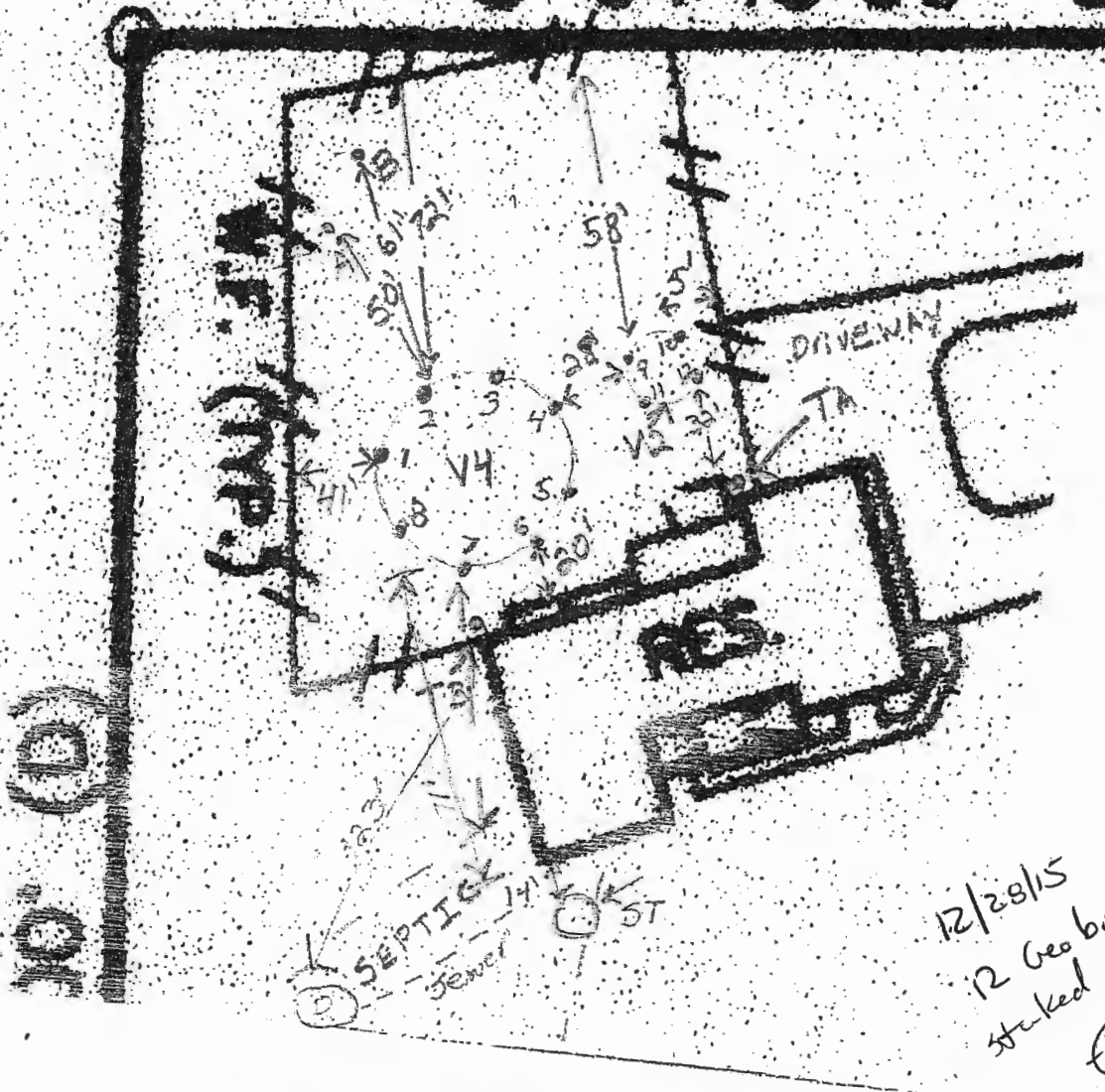


MDEA/MA/BER 071

C 1 34871		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 AZ0436	
ST/CO USE ONLY DATE Received MM DD YY 03 05 16		DATE WELL COMPLETED MM DD YY 3 14 16		Depth of Well 22 68 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" 5/17/16 SC H0 - 15 - 0179	
OWNER last name Husky first name Hornes		WELL SITE ADDRESS 14148 Davis Mill Rd		TOWN West Friendship		LOT	
SUBDIVISION		SECTION		LOT			
WELL LOG Not required for driven wells		GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 20 NO. OF POUNDS 1800 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 52 ft. to 68 BOTTOM 58 ft. (enter 0 if from surface)		C 3 1 2 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 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) 60 61 63 64 66 70		PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or 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. 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) + above - below LAND SURFACE (nearest foot) 49 50 51			
DESCRIPTION (Use additional sheets if needed)		FEET FROM TO 0 40 40 68 4 GRD WELLS		OTHER CASING (if used) diameter depth (feet) inch from to E A C H C A S I N G		TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible	
NUMBER OF UNSUCCESSFUL WELLS:		WELL HYDROFRACTURED Y N		C 2 1 2 DEPTH (nearest ft.) E A C H S C R E E N 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to		PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE (nearest foot) 49 50 51	
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. MSD 008 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. D		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE LOG CASING INDICATOR OTHER DATA		LATITUDE 39.3038521 LONGITUDE 76.999092 (DEFAULT COORD. WGS 84) Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.	

B 1	38240	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 557469-1 please type	STATE PERMIT NUMBER HO-15-0194 fill in this form completely
Date Received (APA) 1/24/15		OWNER INFORMATION		
8 MM DD YY 13 15 Last Name Owner First Name 34 8414 Church Lane Rd 36 Street or RFD 55 Ellicott City md 21784 57 Town 70 State 72 Zip 76		LOCATION OF WELL		
		B 3 8 COUNTY <u>Howard</u> 21 23 SUBDIVISION 42 SECTION 44 46 LOT <u>7</u> 48 50 West Friendship 52 NEAREST TOWN 71		
DRILLER INFORMATION		SOURCES OF DRILLING WATER		
Driller's Name <u>Allen Compton</u> MS D 009 Firm Name <u>Fogles Well Drilling, LLC</u> Address <u>P.O. Box 202 Woodbine, md 21797</u> Signature <u>Allen Compton</u> Date <u>11-25-15</u>		1. <u>well water</u> 2. 3.		
WELL INFORMATION		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)		
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20		11 STREET ADDRESS <u>14148 Rover mill Rd</u> 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 <u>400</u> 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: <u>005</u> BLK: <u>0002</u> PARCEL <u>0204</u>		
USE FOR WATER (CIRCLE APPROPRIATE BOX)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL		
<input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input 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		COUNTY NAME <u>Howard</u> COUNTY NO. <u>15</u> STATE SIGNATURE <u>[Signature]</u> INSERT S → 41 DATE ISSUED <u>12/28/15</u> CO SIGNATURE <u>[Signature]</u> EXP. DATE <u>12/31/16</u>		
APPROXIMATE DEPTH OF WELL <u>68</u> FEET APPROXIMATE DIAMETER OF WELL <u>5</u> INCH METHOD OF DRILLING (circle one) <input checked="" type="checkbox"/> BORED (or Augered) <input type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN <input checked="" type="checkbox"/> AIR-ROTARY <input type="checkbox"/> AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> CABLE <input type="checkbox"/> REVerse-ROTary <input type="checkbox"/> Drive-POINT other _____		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 		
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 <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)				
APPROP. PERMIT NUMBER _____ G _____ PERMIT No. <u>HO-15-0194</u>				
SPECIAL CONDITIONS <u>must bore bottom no top.</u> NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

S 64°48'00" E



12/28/15
12 Geo bones approved
staked by owner
(Knu)

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER
HO-15-0194
INFORMATION GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230



SUPREME TITLE COMPANY



PROPERTY ADDRESS: 4148 ROVER MILL ROAD WEST FRIENDSHIP, MARYLAND 21794

SURVEY NUMBER: MD1405 0420

FIELD WORK DATE: 5/15/2014

REVISION HISTORY: RD 5/2014

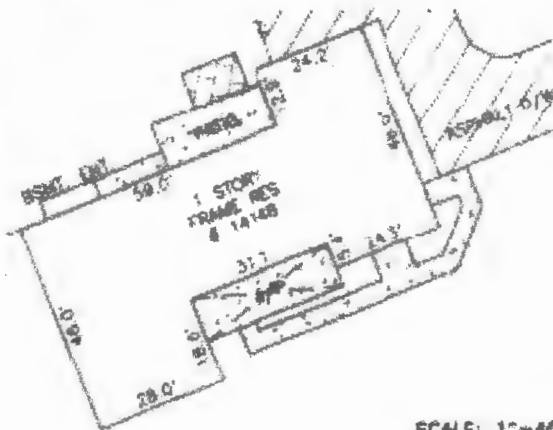
MD1405.0420

LOCATION DRAWING

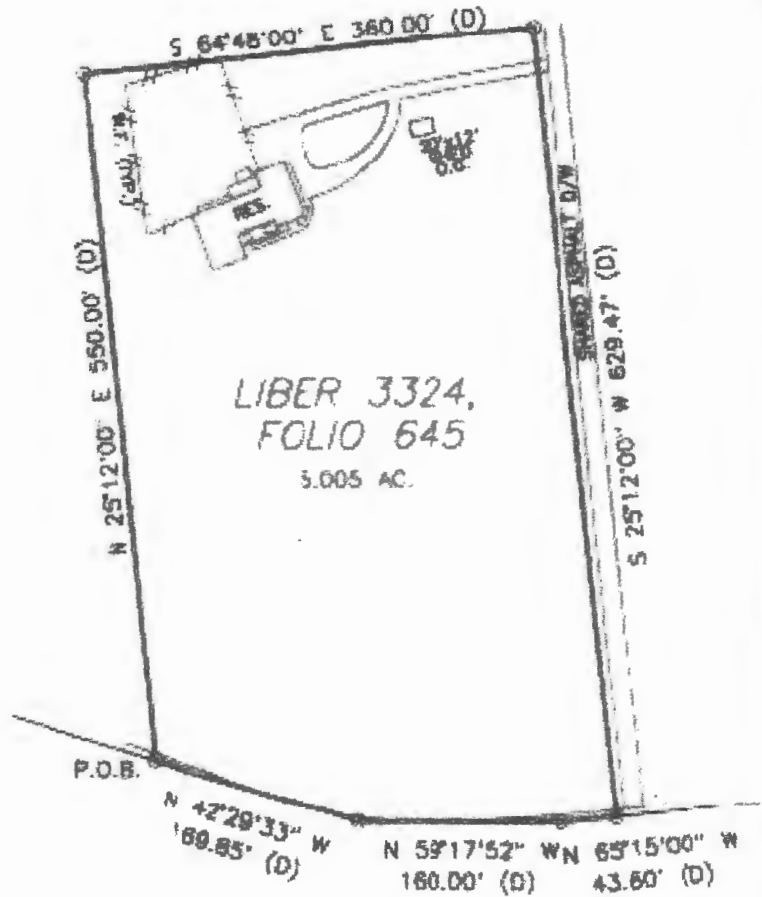
4148 ROVER MILL ROAD

HOWARD COUNTY MARYLAND

05-15-2014 SCALE 1"=150'



SCALE: 1"=40'



ROVER MILL ROAD



GRAPHIC SCALE (In Feet)
1 inch = 150' ft

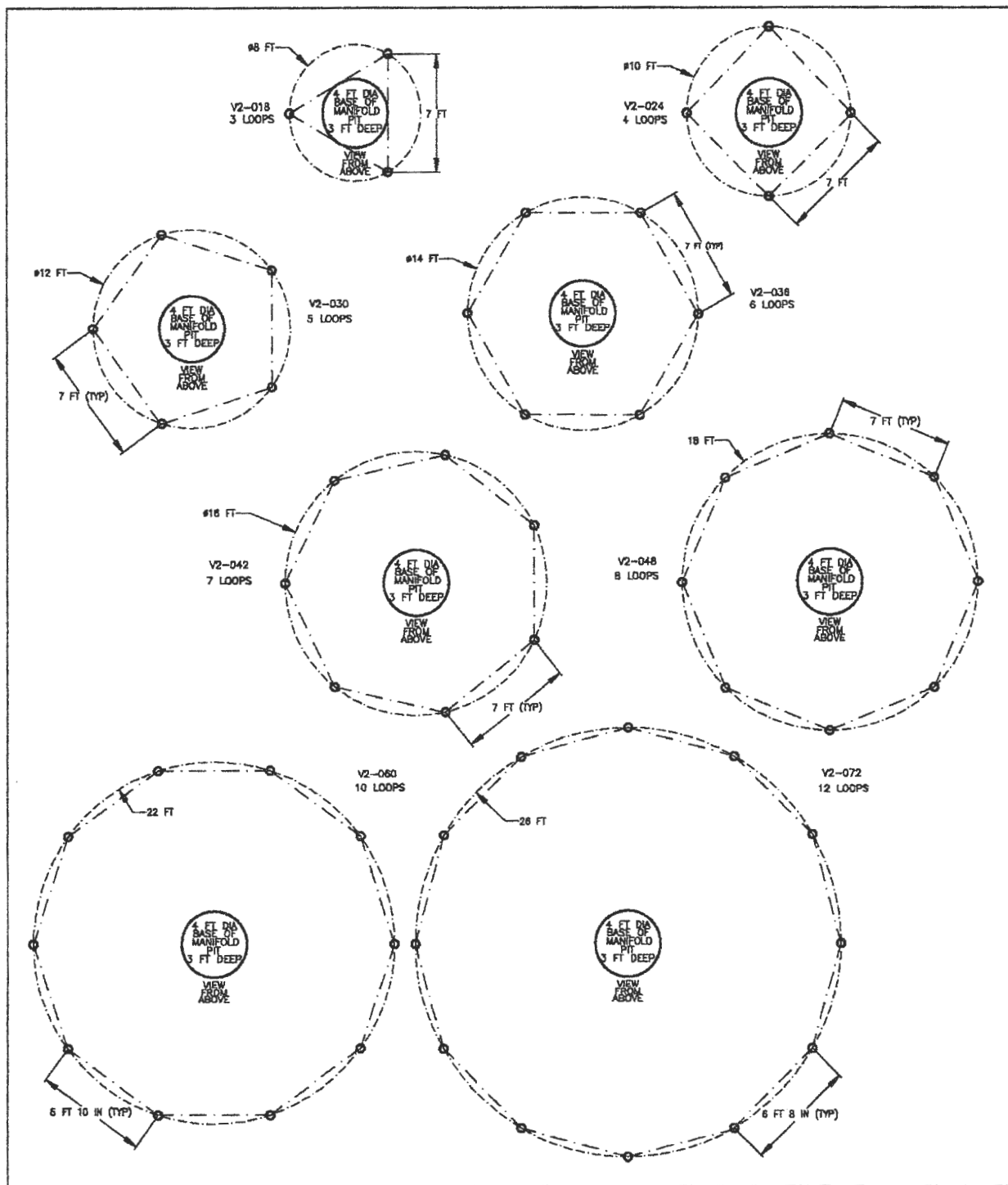
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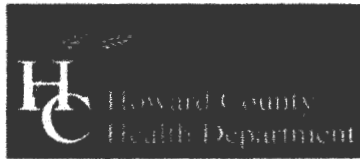
Well location key for 14148 Rover Mill Rd West Friendship MD, 21794

- Field V4 is an 18 foot diameter loop field
Spacing between bores is 7 feet
- Field V2 is a 10 foot diameter loop field
Spacing between bores is 7 feet
- Point A is an abandoned well
- Point B is current well and is the only
Well in use on the property
- Point D is the dry well
- Point ST is the septic tank
- Septic area is clearly marked
- RES is the house
- Driveway is clearly marked
- Sewer line clearly marked
- Triangulation was used to locate all geothermal bore locations
Using the structure (house) corners as TA and TB
The measurements are as follows

Bore 1 TA 54.3 Feet	Bore 1 TB 30.6 Feet
Bore 2 TA 57.2 Feet	Bore 2 TB 37.4 Feet
Bore 3 TA 55.5 Feet	Bore 3 TB 43.8 Feet
Bore 4 TA 49.9 Feet	Bore 4 TB 46.6 Feet
Bore 5 TA 43 Feet	Bore 5 TB 45.2 Feet
Bore 6 TA 38.9 Feet	Bore 6 TB 39.9 Feet
Bore 7 TA 41 Feet	Bore 7 TB 32.10 Feet
Bore 8 TA 47.8 Feet	Bore 8 TB 28.5 Feet
Bore 9 TA 40.2 Feet	Bore 9 TB 74.6 Feet
Bore 10 TA 38.9 Feet	Bore 10 TB 79.2 Feet
Bore 11 TA 31.11 Feet	Bore 11 TB 74.4 Feet
Bore 12 TA 33.2 Feet	Bore 12 TB 69.1 Feet

V2 Earth Loop System: 2 – 75' loops per ton





Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

14148 River Mill Rd

Subdivision/Property Name Lot# Road Name

☒ The well site has been staked by William Hebert
(professional land surveyor or company employing professional land surveyors)
on November 18, 2005 (date) and does not require a site inspection.

☐ The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application

Revised 3/11/05