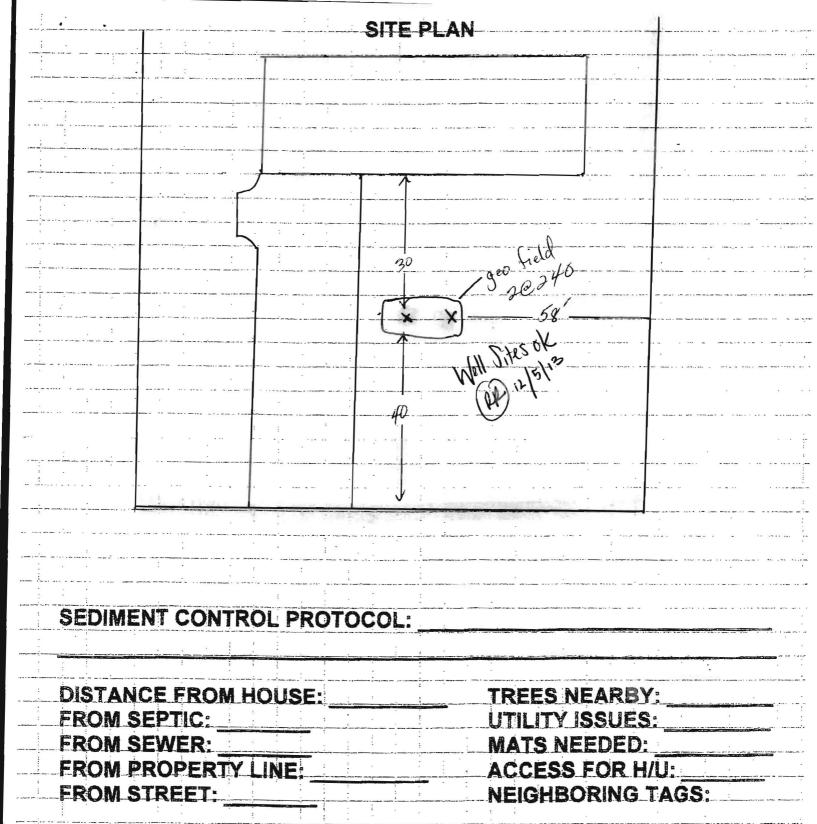
C 1 1 9 3 9 9 (MDE USE ONLY)	WELL COMPLETION REPORT	45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER	
ST/CO USE ONLY DATE Received MM DD TY 8 13 DATE WELL COMPL MM DD TY 15	A CONTRACTOR OF THE PROPERTY O	PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37	
OWNER CITE ADDRESS last name TOWN The Institute Town Town			
WELL SITE ADDRESS TOWN TOWN LOT SUBDIVISION LOT SECTION LOT			
WELL LOG	CONTRACTOR OF THE CORD YES NO	C 3	
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF CROUTING MATERIAL (Circle Appropriate Box)	1 2 PUMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET check if water	TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY	HOURS PUMPED (nearest hour)	
additional sheets if needed) FROM TO bearing	NO. OF BAGS 46 NO. OF POUNDS 45 46	PUMPING RATE (gal. per min.)	
TopSoil 01	GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE	
Bin Clay 1 50 240 Gry Rode 50,240	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)	
0 1 50 240	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 17 20 ft.	
Gry local	types insert appropriate ST CONCRETE	WHEN PUMPING ft.	
	code below PL OT	TYPE OF PUMP USED (for test)	
	MAIN Nominal diameter Total depth	A air P piston T turbine	
	CASING top (main) casing of main casing TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)	
	60 61 63 64 66 70	J jet S submersible	
	E OTHER CASING (if used) A diameter depth (feet)	27 27	
	inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP YES NO	
	S I	(CIRCLE) (YES or NO)	
	screen type SCREEN RECORD	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
	or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.	
	insert STEEL BRASS OPEN HOLE	CAPACITY: GALLONS PER MINUTE	
2///	below PLASTIC OTHER	(to nearest gallon) 31 35 PUMP HORSE POWER	
ACIDED TOPS	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH 37 41	
NUMBER OF UNSUCCESSFUL WELLS:	1 2 V	(nearest ft.) 43 47	
WELL HYDROFRACTURED Y	A 8 9 11 15 17 21 C 2	CASING HEIGHT (circle appropriate box and enter casing height)	
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	H ² 23 24 26 30 32 36 S	49 LAND SURFACE	
E ELECTRIC LOG OBTAINED	C 3 R 38 39 41 45 47 51 E	49 GOOT FOOT)	
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	E SLOT SIZE 1 2 3	LATITUDE 3 9. 29511	
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 ACCURAJE AND COMPLETE TO THE BEST OF MY	OF SCREEN (NEAREST INCH)	LONGITUDE 7	
KNOWLEDGE	from to	NOTES:	
DRILLERS LIC. NO. 1 M D 523 1	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL	39, 29513 DE	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68 MDE USE ONLY	76,84241× × (1)	
LIC. NO.1 AWD 948 .	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	T.on's	
Pet Tokan	70	1 →	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG THE DATA TELESCOPE LOG OTHER DATA		
MDE/WMA/PER.071	of Ocounty		

@ COUNTY

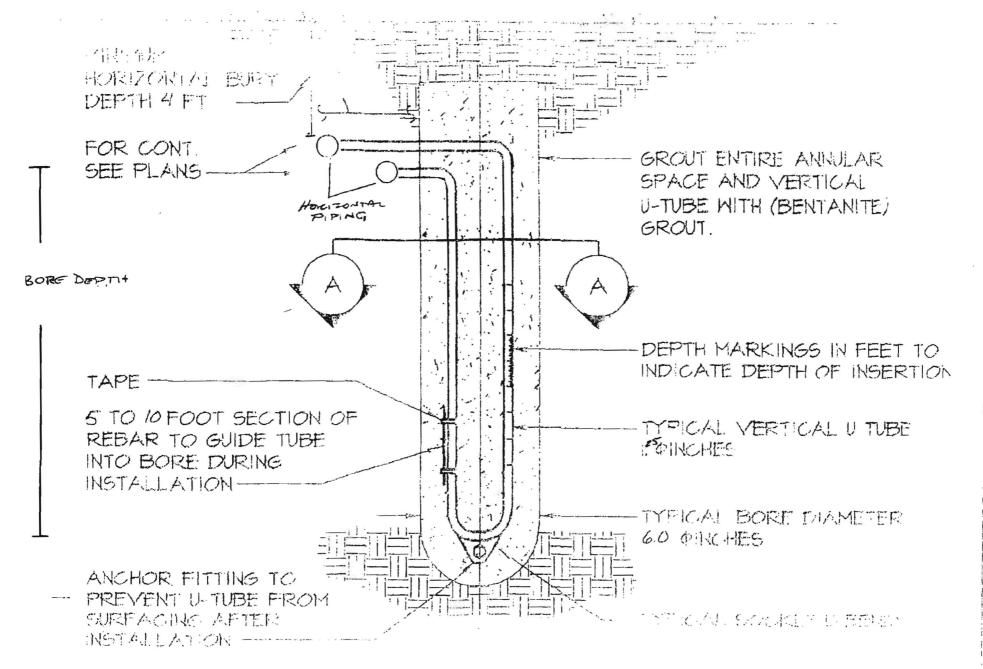
EMERGENCY/TEMP NO. IF ANY



PERSON COMPLETING FORM:

3717 St John Ln Ellicott City MD

COMMENTS:



HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than 2.5 E(-08) cm/sec. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

- CONT.	HOWARD COUNTY HEALTH DEPARTMENT	45190
☐ CASH	Received allead Em	1 W5 Vin innert
NO. 10359	For Welf Permit	3M St. Johns
\$ 160	Received By Received By	Dollars