

C1 1639

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.1 2 3 4
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)COUNTY
NUMBER

ST/CO USE ONLY

DATE Received

MM DD YY
08 07 09

DATE WELL COMPLETED

MM DD YY
05 05 09

Depth of Well

22 400 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"

10 95 1760

OWNER

STREET OR RFD

SUBDIVISION

SECTION

TOWN

LOT

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM TO

check
if water
bearing

Dirt	0	5	
Hard Gray	5	35	
Hard Tan	35	38	
Hard Gray	38	61	
Hard Tan	61	63	
Hard Gray	63	78	
Hard Tan	78	80	✓
Hard Gray	80	83	
Hard Tan	83	84	
Hard Gray	84	400	

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)yes no
Y N
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY 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 400 58 ft.
(enter 0 if from surface)casing
types
insert
appropriate
code
below

CASING RECORD

ST

STEEL

PL

PLASTIC

CO

CONCRETE

OT

OTHER

MAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

60 61

63 64

66 67

70

E
A
C
H
C
A
S
I
N
G

OTHER CASING (if used)

diameter

depth (feet)

from to

screen type
or open hole

SCREEN RECORD

ST

STEEL

BR

BRASS

PL

PLASTIC

HO

OPEN

OT

OTHER

(insert
appropriate
code
below)

C 2

DEPTH (nearest ft.)

1	8	9	11	15	17	21
2	23	24	26	30	32	36
3	38	39	41	45	47	51
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

DIAMETER
OF SCREEN(NEAREST
INCH)

from to

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
CASINGLOG
INDICATOR

OTHER DATA

C 3

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
27		27		27	
C	centrifugal	R	rotary	O	other (describe below)
27		27		27	
J	jet	S	submersible		
27		27			

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	LAND SURFACE
-	below	
49		(nearest foot)
49		50 51

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS
BUILDING, SEPTIC TANKS, AND /OR
LANDMARKS AND INDICATE NOT LESS
THAN TWO DISTANCES
(MEASUREMENTS TO WELL)

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED

yes no
Y N

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

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. 1 M W D 304

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 W D 326

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

C 1 1639 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 DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL" OWNER STREET OR RFD SUBDIVISION SECTION LOT

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 FROM TO check if water bearing

DIRT	0	6	
Hard Gray	6	30	
Hard Tan	30	34	
Hard gray	34	37	
Hard Tan	37	38	
Hard gray	38	42	
Hard Tan	42	45	
Hard gray	45	89	
Hard Tan	89	91	
Hard gray	91	100	
Hard Tan	100	105	
Hard gray	105	108	
Hard Tan	108	109	
Hard gray	109	170	
Hard gray	170	400	

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED YES NO DRILLERS LIC. NO. M D 304 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. D 910 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT BENTONITE CLAY NO. OF BAGS NO. OF POUNDS GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from ft. to ft. CASING RECORD casing types insert appropriate code below MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) OTHER CASING (if used) diameter inch depth (feet) from to SCREEN RECORD screen type or open hole insert appropriate code below SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 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) air piston turbine centrifugal rotary other (describe below) jet submersible PUMP INSTALLED DRILLER INSTALLED PUMP 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 CAPACITY: GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) above below LAND SURFACE (nearest foot) LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL) See Attached

Revised 4-21-09

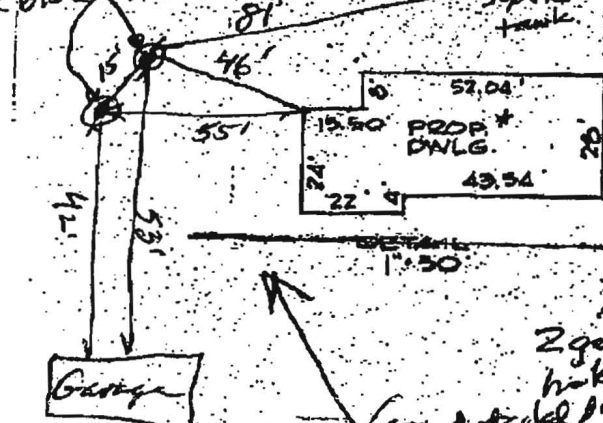
HO-95-1760

Piekarski

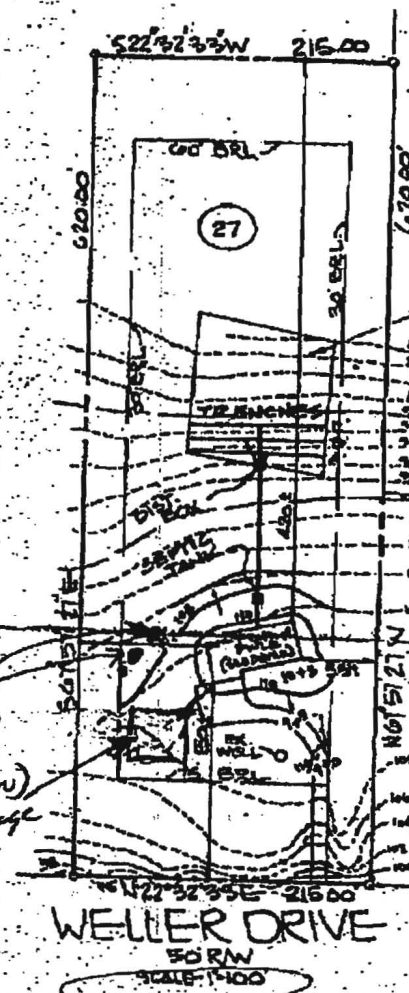
PIEKARSKI

Owner: Joseph Piekarski
680 WELLEN DRIVE
Mount Airy, MD 21777

2 blue flags



2 geo holes
(see detailed plan)
Garage



Scale off 1"=46'

FF EL. 112.5
MT. 103.5
V. OUT. HO. 101.8
V. IN TANK 100.5
V. OUT TANK 100.5
W. IN BOX 94.5
W. OUT BOX 93.5
IN. IN TRENCH A 92.5 EX. GND 95.5
B 90.5 92.5
C 88.5 90.5
EX. GND. ELEV. C. WELL 110.5

NOTE: CONTRACTOR SHALL
PROVIDE POSITIVE DRAINAGE
AWAY FROM FOUNDATION.

LOT 27, SECT. 2
"PATAPSCO OVERLOOK"
4-6784
4TH EL. DIST.
"PIEKARSKI"
HO. CO., MD.



SITE PLAN
680 WELLEN DRIVE
VT ASSOCIATES, INC.

SURVEYING & ENGINEERING
3132 E. JOPPA RD. BALTIMORE, MARYLAND 21234

date 11-2-07
Scale AS SHOWN
Job no. P. 16
drawn JFS
checked MJB

00003/0003

Ground Loop

4104570581 FAX 410/616-2010

Revised 4-21-09

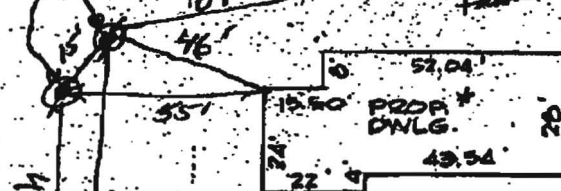
HO-95-1760

Piekarski

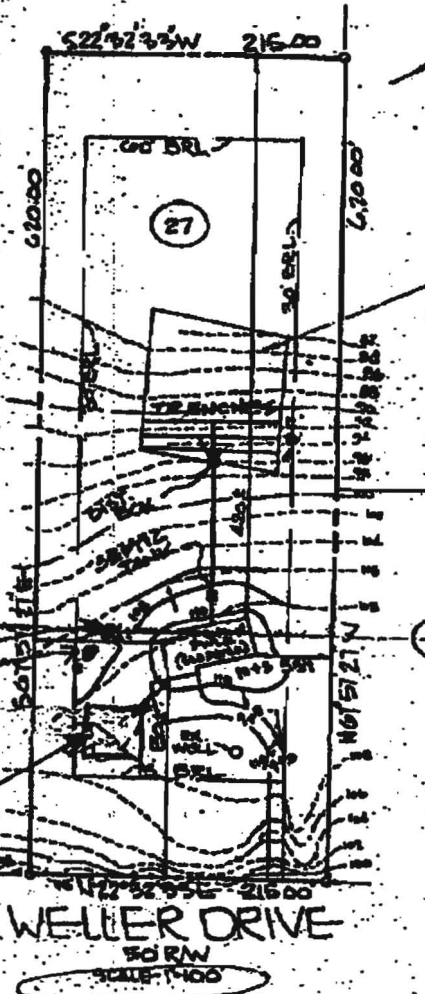
PIEKARSKI

Owner: Joseph Piekarski
680 WELLEN DRIVE
Mount Airy, MD 21777

2 blue flags



2 geo
links
(see detailed plan)
Garage



WELLEN DRIVE
S.C.R.W.
SCALE 1"=100'

Scale off 1"=146'

FF EL. 112.8
MT. 103.8

1. OUT. H.C. 1018

2. IN TANK 1008

3. OUT TANK 1008

4. IN BOX 948

5. OUT BOX 952

6. IN TRENCH

A 92' EX. GND 95'
B 90' 95'
C 80' 91'

EX. GND. ELEV. @ WELL 1103

NOTE: CONTRACTOR SHALL
PROVIDE POSITIVE DRAINAGE
AWAY FROM FOUNDATION

LOT 27, SECT. 2
"PATAPSCO OVERLOOK"
6-6784

4TH EL. DIST. HO. CO., MD.
"PIEKARSKI"



SITE PLAN
680 WELLEN DRIVE
VT ASSOCIATES, INC.

SURVEYING & ENGINEERING

3132 E. JOPPA RD. BALTIMORE, MARYLAND 21234

date 11-2-87

scale AS SHOWN

job no. P. 16

drawn JFS

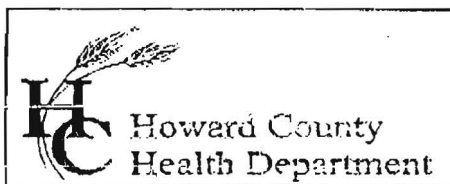
checked MJB

00003/0003

Ground Loop

104470402010-11:45 FAX 4104570581

B 1 6079 1 2 3 6	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 530 974 please type	STATE PERMIT NUMBER 40-95-1760 70 fill in this form completely 79
Date Received (APA) 04 21 09 8 MM DD YY 13 Piekarski Joe 15 Last Name Owner First Name 34 680 WELLEN DRIVE 36 Street or RFD 55 Mount Airy MD 21777 57 Town 70 State 72 Zip 76		B 3 Howard LOCATION OF WELL 8 COUNTY 21 Patapsco Overlook 23 SUBDIVISION 42 SECTION 2 LOT 27 44 46 48 50 Woodbine 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78	
DRILLER INFORMATION David KELLY M W D 304 Driller's Name 76 License No. 81 Jones Well Drilling Inc Firm Name 3700 Rock Rd Jarrettsville, MD 21084 Address David Kelly 4-16-09 Signature Date		B 4 680 WELLEN DR. 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W SOUTH S EAST E 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 2 BLK: 24 PARCEL 227	
B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 0 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 0		B 4 680 WELLEN DR. 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W SOUTH S EAST E 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 2 BLK: 24 PARCEL 227	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <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 checked="" type="checkbox"/> GEO-THERMAL 2 holes closed loop		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard (13) A31279 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → DATE ISSUED 4/29/2009 Brian Baker 4/29/2010 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 554 0 0 0 EAST GRID 780 0 0 0 50 55 57 63	
APPROXIMATE DEPTH OF WELL 400 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. 2. 3.	
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		WRITE THE BOX NUMBER FROM THE MAP HERE E 780 N 554	
REPLACEMENT OR DEEPEINED 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 DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (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 MAP 3 	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER G PERMIT No. 40-95-1760 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED Grout with Tremie Pipe From Bottom to Top of Hole			



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

Penny E. Forenstein, 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:

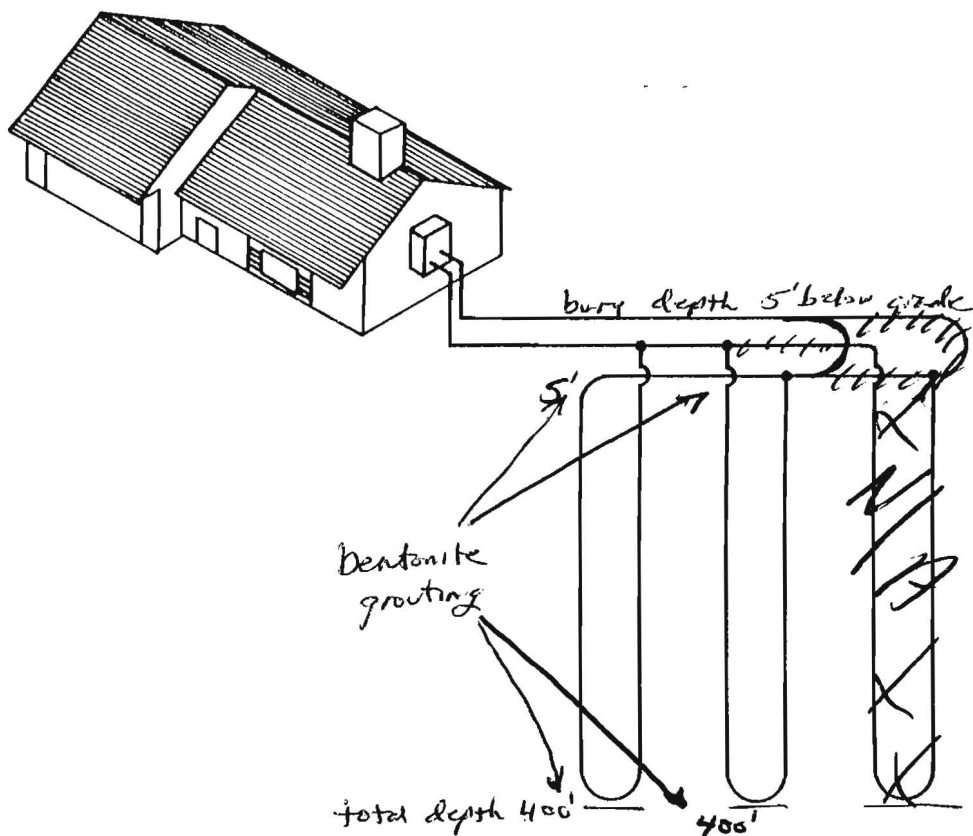
sec 2
PATAPSCO Overlook 27 680 WELLER Drive
Subdivision/Property Name Lot# Road Name

☐ The well site has been staked by _____,
(professional land surveyor or company employing professional land surveyors)
on _____ (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



Earth Coil Type: Vertical - Single U-Bend

Water Flow: Parallel

Pipe Sizes: 1 1/4" double Loop

Bore Lengths: 400' x 2 holes (800' vertical bore)

Pipe Lengths: 800 x 2 (1600 vertical pipe)

FIGURE 4.5: Parallel Vertical Ground Heat Exchanger