

C1 2989

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY 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

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: soil, soft brown soil, Hard gray rock, 2x 300' geothermal boras.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD

MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing.

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD

screen type or open hole, insert appropriate code below (ST, BR, HO, PL, OT).

Table for SCREEN RECORD with columns: DEPTH (nearest ft.), SLOT SIZE, DIAMETER OF SCREEN.

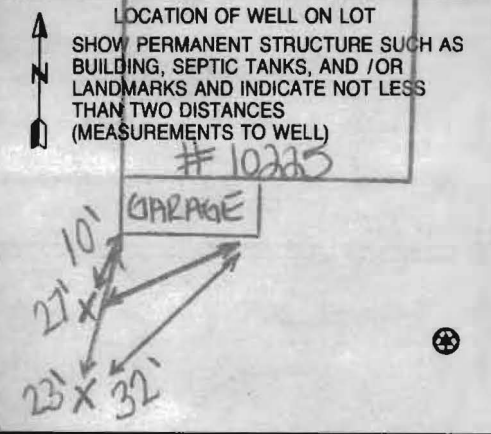
C 3

PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED.

PUMP INSTALLED

DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED PLACE, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.



NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. DRILLERS SIGNATURE LIC. NO.

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

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

B 1	3163	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 532524 please type	STATE PERMIT NUMBER 40-95-1874 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) _____

8 MM DD YY 13

15 Last Name Fartell Owner Katherine First Name _____ 34

36 Street or RFD 10225 Camelford Court 55

57 Town Ellicott City 70 State MD 72 Zip 21042 76

LOCATION OF WELL

B 3 Howard

8 COUNTY _____ 21

23 SUBDIVISION Burleigh Manor 42

SECTION _____ 44 46 LOT 157 48 50

52 NEAREST TOWN Ellicott City 71

73 MILES FROM TOWN (enter 0 if in town) 2.5 M I 76 77 78

DRILLER INFORMATION

76 Driller's Name Michael Barlow License No. MW D 355 81

Firm Name Barlow Well Drilling

Address 522 Underwood Lane 2014

Signature [Signature] Date 2/12/10

WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 0 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 0 14 20

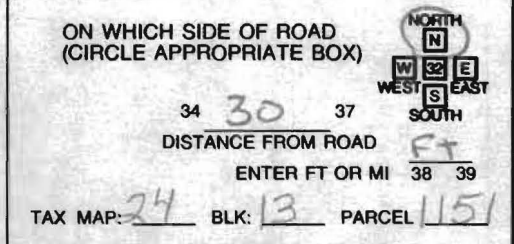
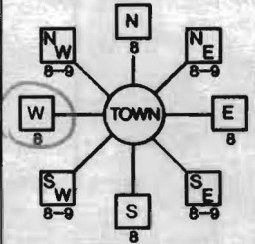
11 NEAR WHAT ROAD 10225 Camelford Ct 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 30 37 DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: 24 BLK: 13 PARCEL 1151



WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 0 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 0 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

22 I INDUSTRIAL, COMMERCIAL, DEWATERING

P PUBLIC WATER SUPPLY WELL

T TEST, OBSERVATION, MONITORING

G GEO-THERMAL 2 Bores x 300'

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 Public

COUNTY NAME _____ COUNTY NO. _____

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED 3/2/2010 Bruce Baker 3/2/2011

43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE _____

NORTH GRID 520 000 EAST GRID 838 000

50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET 24 28

APPROXIMATE DIAMETER OF WELL _____ INCH NEAREST

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 838

N 51020

000 000

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 _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

D THIS WELL WILL DEEPEM AN EXISTING WELL

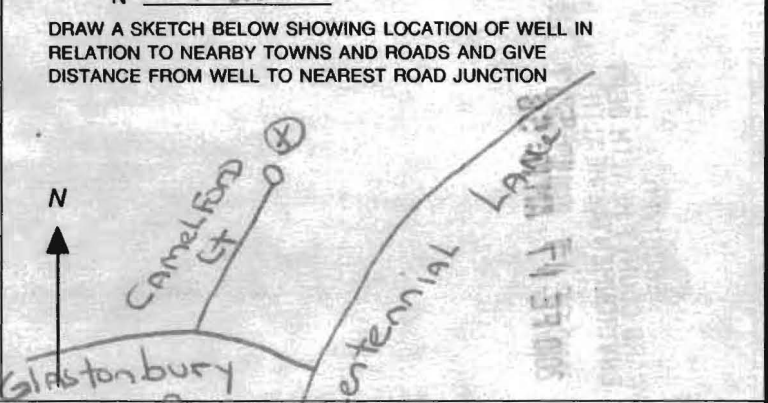
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No. 40-95-1874

70 71 72 73 74 75 76 77 78 79

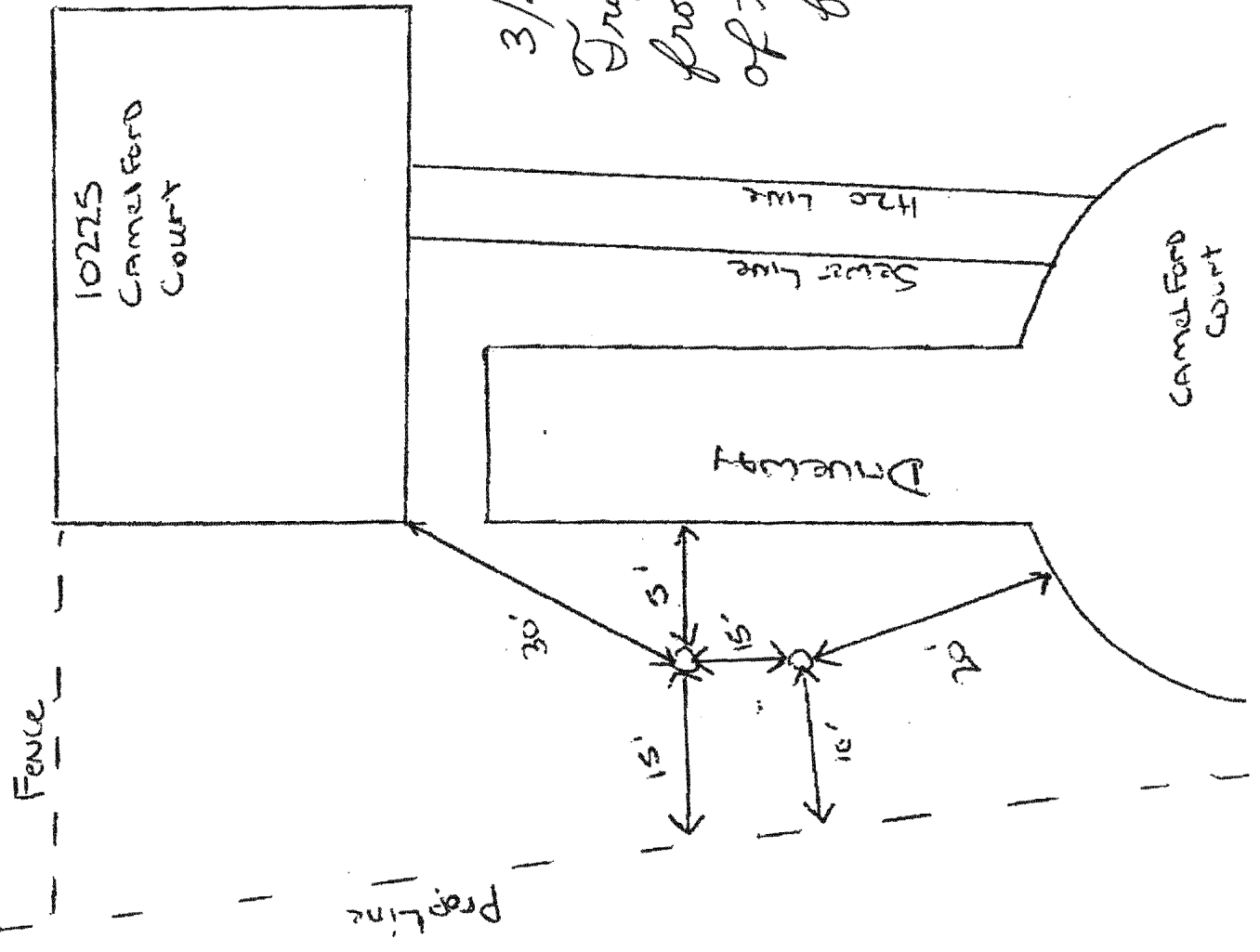


SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Boreholes Must Be 30' From House Foundation

3/2/2010
Try to stay 30'
from any part
of the house
foundation.
BB





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

February 12, 2010

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

Re: 10225 Camelford Court

Dear Department of Environment:

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 bottom to the top with grout material

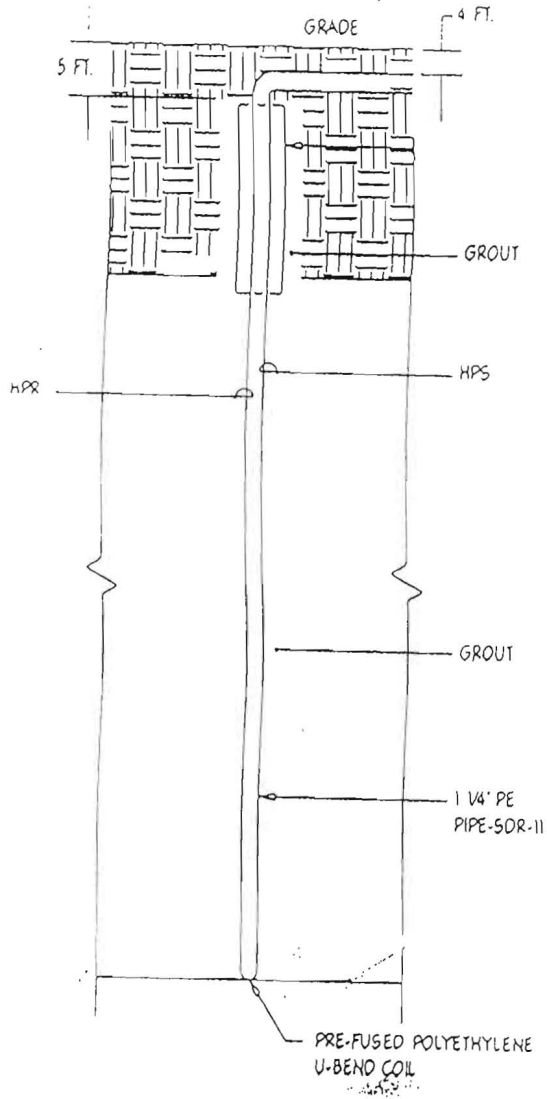
Piping: Polyethylene SDR 11 160 PSI as recommended per IGSHPA
Manufacture: EnDot or Charter Plastics or equal, Size 1" or 1 1/4"
IGSHPA Certification Number 12687

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,

Michael Barlow



4 TYPICAL BORE HOLE DETAIL
 H1.00 NOT TO SCALE

1211 11220