

C1 1425

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

COUNTY
NUMBER

ST/CO USE ONLY
DATE Received
MM DD YY
8 11 10

DATE WELL COMPLETED
MM DD YY
11 2 10

Depth of Well
22 300 26
(TO NEAREST FOOT)

3/9/2011
O.K. (BB)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO-95-1956

OWNER Kingcard, Larry
STREET OR RFD 10241 Tuscany Rd TOWN ELICOTT CITY
SUBDIVISION _____ SECTION _____ LOT 40

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		check if water bearing
	FROM	TO	
SOFT BROWN ROCK	0	84	
Hard gray rock	84	300	
2 x 300' gap bores			
1st bore 84' ST			
2nd bore 84' ST			

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 2 NO. OF POUNDS 300

GALLONS OF WATER 276

DEPTH OF GROUT SEAL (to nearest foot)
from 2 ft. to 300 ft.
(enter 0 if from surface)

CASING RECORD

cases types insert appropriate code below

ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6" Total depth of main casing (nearest foot) 84'

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD

screen type or open hole (insert appropriate code below)

ST STEEL BR BRASS HO OPEN HOLE
 PL PLASTIC OT OTHER

DEPTH (nearest ft.)

1	2	3	4	5	6	7	8	9	10
8	9	11	15	17	21	23	24	26	30
32	36	38	39	41	45	47	51	58	60

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

TELESCOPE CASING _____ LOG INDICATOR _____ OTHER DATA _____

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED 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.: MW D335

DRILLERS SIGNATURE _____ (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MW D359

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

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

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 29

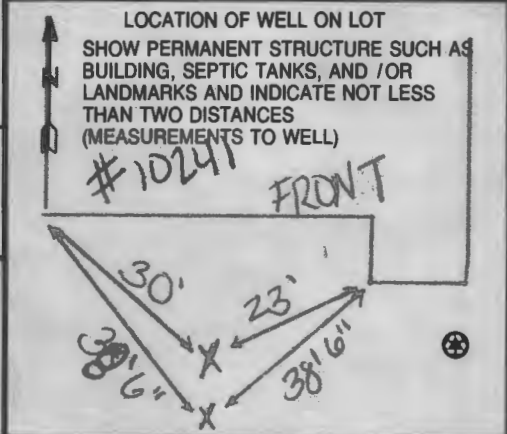
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE (nearest foot)
 - below }



B 1 4628

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-1956 fill in this form completely

533315 please type

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13 KINCAID Larry 15 Last Name Owner First Name 34 10241 Tuscany Road 36 Street or RFD 55 Elliott City MD 21043 57 Town 70 State 72 Zip 76

B 3 HOWARD LOCATION OF WELL

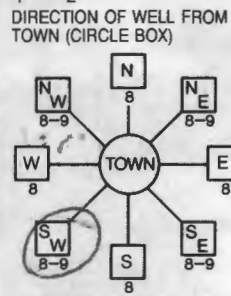
8 COUNTY 21 The Fairways 23 SUBDIVISION 42 SECTION 1 44 46 LOT 46 48 50 ELLICOTT C.T. 52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 2 M I 73 76 77 78

DRILLER INFORMATION

Michael Barlow M WD 355 76 License No. 81 Barlow Well Drilling Firm Name 522 Underwood Lane 21014 Address Signature Date 6/26/10

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



(10241) Tuscany Rd 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 25 37 DISTANCE FROM ROAD FT ENTER FT OR MI 38 39

TAX MAP: 24 BLK: 1 PARCEL 742

WELL INFORMATION

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

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 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 DATE ISSUED 7/15/2010 Brian Baker 7/15/2011 41

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 525 000 EAST GRID 838 000 50 55 57 63

APPROXIMATE DEPTH OF WELL 300 24 28 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTARY DRIVE-POINT other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 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)

APPROX. PERMIT NUMBER G PERMIT No. HO-95-1956 70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

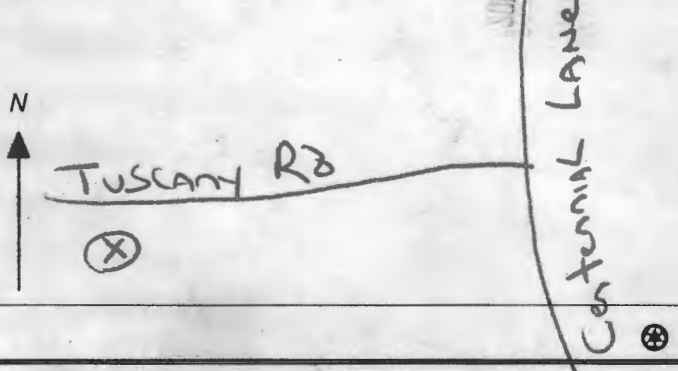
SOURCES OF DRILLING WATER

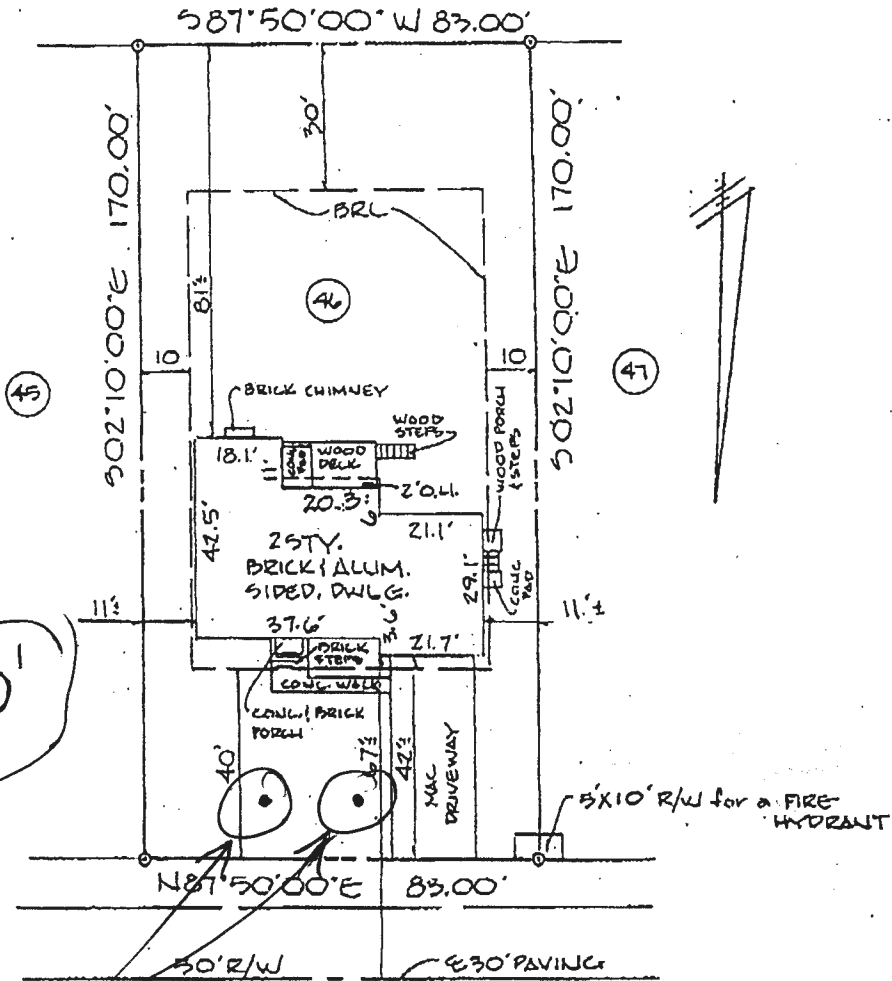
- 1.
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 838 N 5245 000 000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION.





TUSCANY ROAD
 Borehole Locations Drawn to
 Scale per Mike som (Barlow
 Well Drilling)

DEED REF: 186B/736
 LOT 46, SECT 1, AREA 2
 "THE FAIRWAYS"
 Δ: 7210
 2nd. ELECT. DIST.
 HO. CO., MD.

I hereby certify that I have examined Flood Insurance Rate Map Panel Number
240044/00235 for the subject property and it lies within
 Zone C per said Map.
 The information shown on this plan shows only that the improvements indicated herein are
 contained within the outline of the lot upon which they are erected unless otherwise noted and is
 not to be used to establish property lines or corners.

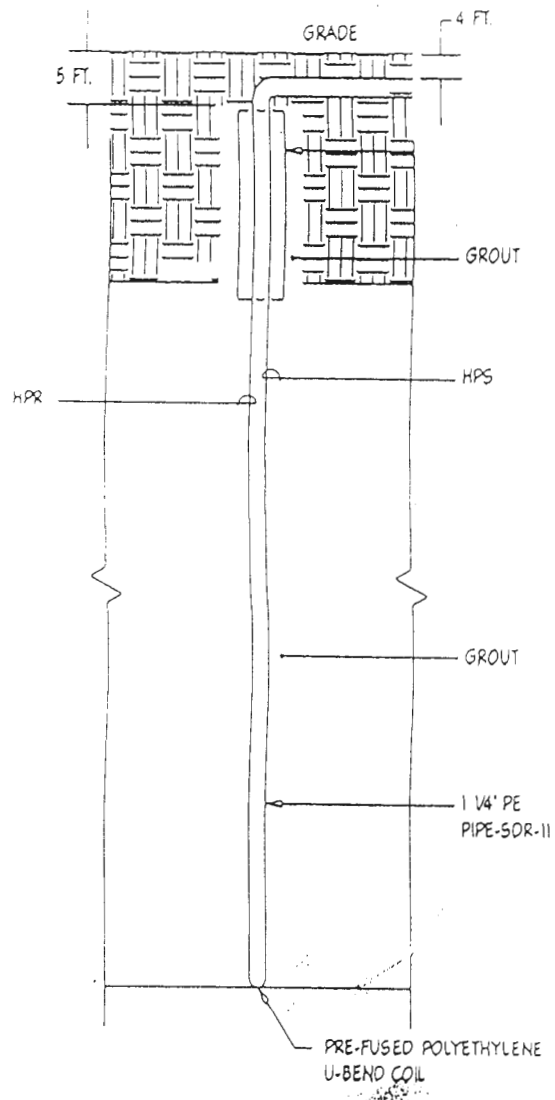
LOCATION SURVEY



#10241 TUSCANY ROAD
J.S. DALLAS, INC.
 Surveying & Engineering
 4932 Hazelwood Avenue Baltimore, Md. 21206
 (301)866-2001

Date: 5/11/91
 Scale: 1"=30'
 Job Number: LT911
 Drawn By: TE
 Checked By: JSD

6



4 TYPICAL BORE HOLE DETAIL
M1.00 NOT TO SCALE



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

June 26, 2010

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

Re: 10241 Tuscany Lane, Ellicott city

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