

C1 3808		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.			
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)								COUNTY NUMBER A518572			
ST/CO USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 9-24-03		Depth of Well 22 500 26 (TO NEAREST FOOT)		OK MR 11/3/03		PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-94-3783			
OWNER last name first name Brown Donnie				STREET OR RFD Triadelphia Rd				TOWN Glenelg		LOT M.22, P.185	
SUBDIVISION Brown Prop				SECTION				LOT			
WELL LOG Not required for driven wells				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 20 NO. OF POUNDS 1880 GALLONS OF WATER 120 DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)				C3 1 2 PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 1 METHOD USED TO MEASURE PUMPING RATE watch Buckner WATER LEVEL (distance from land surface) BEFORE PUMPING 42' 17 20 ft. WHEN PUMPING 250' 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) PL 6 30 60 61 63 64 66 70 OTHER CASING (if used) EACH CASING diameter depth (feet) inch from to PL 4 1/2 75 115				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 2 (nearest foot)			
DESCRIPTION (Use additional sheets if needed)				FEET FROM TO check if water bearing				PUMP INSTALLED 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 2 (nearest foot)			
red soil 0 25											
red + brown soil 25 68											
tight tan 68 77											
grey with tan spots 77 119											
grey rock 119 500											
90 ✓											
124 ✓											
270 ✓											
NUMBER OF UNSUCCESSFUL WELLS: 0				DEPTH (nearest ft.) 1 2 30 500							
WELL HYDROFRACTURED yes no Y N				C2 1 2 30 500							
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				E 1 8 9 11 15 17 21 C 2 23 24 26 30 32 36 S 3 38 39 41 45 47 51 R 38 39 41 45 47 51 E N SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to				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) Recon 100' 100'			
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.				GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68							
DRILLERS LIC. NO. M D 355				MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q							
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)				70 72 74 75 76							
LIC. NO. 1 D				TELESCOPE CASING LOG INDICATOR OTHER DATA							
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)											

B 1	7182	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 519068 please type	STATE PERMIT NUMBER 40-94-3783 fill in this form completely
Date Received (APA) 072803		OWNER INFORMATION		
8 MM DD YY 13 Brown Donnie		15 Last Name Owner First Name 34		
36 13335 Triadelphia Road		55 Street or RFD		
57 Ellicott City MD 21042		70 Town 72 State 76 Zip		
DRILLER INFORMATION		LOCATION OF WELL		
Driller's Name Michael Barlow		B 3 Howard		
Firm Name Michael Barlow Well Drilling		8 COUNTY 21		
Address 522 Underwood Lane Bel Air MD 21042		23 SUBDIVISION Brown Property		
Signature <i>[Signature]</i>		SECTION 44 46 LOT 48 50		
Date 7/28/03		52 NEAREST TOWN Glenelg		
B 2 WELL INFORMATION		MILES FROM TOWN (enter 0 if in town) 73 76 77 78		
APPROX. PUMPING RATE (GAL. PER MIN.) 5		1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500		11 30 NEAR WHAT ROAD Triadelphia Road		
		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)		
		34 100 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39		
		TAX MAP: 22 BLK: 15 PARCEL 185		
USE FOR WATER (CIRCLE APPROPRIATE BOX)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL		
<input checked="" 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"/> GEO-THERMAL		COUNTY NAME Howard COUNTY NO. 4518572 STATE SIGNATURE Mark Riffe DATE ISSUED 08/18/03 CO SIGNATURE 0807 EXP. DATE 8/18/04 NORTH GRID 50 000 55 EAST GRID 57 000 63		
APPROXIMATE DEPTH OF WELL 300' FEET		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X		
APPROXIMATE DIAMETER OF WELL 6" INCH		SOURCES OF DRILLING WATER		
METHOD OF DRILLING (circle one)		WRITE THE BOX NUMBER FROM THE MAP HERE		
BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTary DRIVE-POINT other		E 8007 N 5002		
REPLACEMENT OR DEEPEENED WELLS (CIRCLE APPROPRIATE BOX)		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION		
<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 DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 52		HUNT RD Triadelphia Rd X		
Not to be filled in by driller (MDE OR COUNTY USE ONLY)				
APPROX. PERMIT NUMBER G				
PERMIT No. 40-94-3783				
SPECIAL CONDITIONS				

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3783
Location of property (road) Tria Rd
Subdivision Brown Prop Lot _____ Block _____ Plat 1 Sec. _____
Well Driller Barlow Owner Brown

Depth of well 500'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 42'

I. High rate pumping -- reservoir drawdown

Time pump started 10:30 Pumping rate 1
Total time 30mins to reach pumping water level 250' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
10:30	42'	3 sec	8	20
10:45	200'	4 sec		15
11:00	250'	57 sec		1.05
11:15	250'	57 sec		1.05
11:30	250'	57 sec		1.05
11:45	250'	57 sec		1.05
12:00	250'	57 sec		1.05
12:15	250'	57 sec		1.05
12:30	250'	57 sec		1.05
12:45	250'	57 sec		1.05
1:00	250'	57 sec		1.05
1:15	250'	57 sec		1.05
1:30	250'	57 sec		1.05
1:45	250'	57 sec		1.05
2:00	250'	57 sec		1.05
2:15	250'	57 sec		1.05
2:30	250'	57 sec		1.05
2:45	250'	57 sec		1.05
3:00	250'	57 sec		1.05
3:15	250'	57 sec		1.05
3:30	250'	57 sec		1.05
3:45	250'	57 sec		1.05
4:00	250'	57 sec		1.05
4:15	250'	57 sec		1.05

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: ROBERT L. FREEZER CO INC Telephone #: 410-781-4655
Address: 6321 BRIMMINGTON LANE
SYLVESVILLE, MD 21794

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): ROBERT L. FREEZER CO License # 2122

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: JOEL ISSACS PLUMBING Telephone #: _____
Subdivision: _____ Lot #: _____ Well Tag #: HO 94-3783
Site Address: 13301 TILDEN ROAD
SUICOTT CITY, MD

Submersible Pump Data

Make: STANLEY
Model #: SP4ED2HL
Pump Capacity 5 GPM
Well Yield: 1 GPM

Pitless Adapter

Make: CAMPBELL
Model #: PA800
Depth: 42 (36" min)
NSF approved: ✓

Well Cap and Electric Conduit

Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 40 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt: ✓

Piping to house

Type: PVC
PSI: 200 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: 20'
Sleeve caulked and sealed properly: ✓

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Robert L. Freezer

date: _____

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____

Date Insp. Approved: 9/16/04 (BIB) KN

Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓

Two piece cap installed and attached to casing securely ✓

Elec. conduit extends at least 18" below grade/attached to cap properly ✓

Safety rope installed inside of well casing ✓

Correct well tag attached properly and casing 8" above finished grade ✓

Water supply line sleeved adequately at house connection ✓

Adequate grout observed below pitless adapter ✓

STRATMANN
13384 TRIADELPHIA RD.
PARCEL 435 TAX MAP 22
L. 3909 F. 300

TRIADELPHIA ROAD

BRADFORD
13245 TRIADELPHIA RD.
PARCEL 523 LOT 1 TAX MAP 22
L. 2537 F. 303

ChB2

Well Site
Staked by Surveyor
OK No Insp MR 8/18/03

618.53

N 61°15'06" E 299.83'

IPF HELD

618

2.7%

170.18'

R=100'

620

618

LOT 1

EXIST

ChA

LOD
PORCH
615x66
14x32

2R

F.F.=616.33
B.=606.33

TO BE REMOVED

614

S 33°46'03" E 612.03'

S 32°46'40" E 343.84'

GRAVEL
PARKING

EXISTING WELL

SEPTIC
TANK

DISTRIBUTION BOX

BROWN
5.01 AC.

13335 TRIADELPHIA RD
P/O PARCEL 185 TAX MAP 22
L. 556 F. 745

FIRST FLOOR EL. = 616.33
INV.OUT OF HOUSE = 603.83
INV.IN SEPTIC TANK = 602.03
INV.OUT OF SEPTIC TANK = 601.78
EXIST. EL. AT SEPTIC TANK = 606.44
PROP. EL. AT SEPTIC TANK = 605.00
EXIST EL. AT DIST. BOX = 604.00
INV.IN DIST. BOX. = 600.58

IPF HELD



NOTES:

1. THIS SITE CONFORMS TO THE REQUIREMENTS OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL, VOLUME I & II.
2. THE SITE QUALIFIES FOR USE OF THE HSCD STANDARD SEDIMENT CONTROL PLAN FOR SINGLE FAMILY RESIDENTIAL LOTS.

BROWN PROPERTY

PLOT PLAN
13335 TRIADELPHIA ROAD

ELECTION DISTRICT: 3 TAX MAP: 22 HOWARD COUNTY, MARYLAND
DRAWN BY: HSP SCALE: 1"=50' DATE: JULY 2003



**MILDENBERG,
BOENDER & ASSOC., INC.**

Engineers Planners Surveyors

5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Ball. (301) 621-6621 Wash. (410) 997-0296 Fax.