

C1

2442

1

2

3

4

5

6

SEQUENCE NO.
(DENY USE ONLY)

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

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

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

COUNTY
NUMBER

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

DATE Received

DATE WELL COMPLETED

Depth of Well

22

26

(TO NEAREST FOOT)

OWNER

last name

first name

TOWN

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

GROUTING RECORD

yes

no

Y

N

44

44

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT

CM

45

46

BENTONITE CLAY

BC

45

46

NO. OF BAGS

NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from

48

52

ft.

to

54

58

ft.

(enter 0 if from surface)

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)

60

61

63

64

66

67

68

69

70

OTHER CASING (if used)

diameter
inch

depth (feet)
from

to

E
A
C
H
C
A
S
I
N
G

screen type
or open hole

insert
appropriate
code
below

ST

BR

HO

STEEL

BRASS

OPEN

BRONZE

HOLE

PL

OT

PLASTIC

OTHER

C2

1

2

DEPTH (nearest ft.)

8

9

11

13

15

17

19

21

23

24

26

28

30

32

34

36

38

39

41

43

45

47

49

51

CIRCLE APPROPRIATE LETTER
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 10.17.13 "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 IDENT. NO.

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

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

GRAVEL PACK

from

to

IF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68

68

OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

WQ

70

72

74

75

76

TELESCOPE
CASING

LOG
INDICATOR

OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour)

8

9

PUMPING RATE (gal. per min.
to nearest gal.)

11

15

METHOD USED TO
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

17

20

WHEN PUMPING

22

25

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 WILL INSTALL PUMP YES NO

(CIRCLE) (YES or NO)

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS
EXCEPT HOME USE

TYPE OF PUMP INSTALLED

PLACE (A,C,J,P,R,S,T,O)

IN BOX - SEE ABOVE:

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

51

(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)

COUNTY

B 1 <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">6837</div>	SEQUENCE NO. (DP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	STATE PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">H0-88-0604</div>
Date Received (APA) <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">12/1/88</div>		LOCATION OF WELL 8 COUNTY <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">HOWARD</div>	
OWNER INFORMATION 15 Last Name <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">HUTCHINSON</div> Owner 34 First Name <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">FRANK</div> 36 Street or RFD <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">10174 HILLT NIT PIKE</div> 55 57 Town <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">ELLICOTT CITY MD 21043</div> 76		23 SUBDIVISION <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">TWELVE HILLS</div> 42 SECTION <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">3</div> LOT <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">#2</div> 52 NEAREST TOWN <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">DAYTON</div> 71 MILES FROM TOWN (enter 0 if in town) <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">1</div> M I	
DRILLER INFORMATION Driller's Name <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">Frank Delph</div> 77 License No. 80 <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">453</div> Firm Name <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">Frank Delph Well Drillers Inc.</div> Address <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">15234 Penn Shop Rd. Mt. Airy Md.</div> Signature <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">Frank Delph</div> Date <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">12/1/88</div>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">5</div> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">500</div>		NEAR WHAT ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">Twelve Trees Ct</div> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH <input checked="" type="radio"/> WEST <input type="radio"/> EAST <input type="radio"/> SOUTH <input type="radio"/> DISTANCE FROM ROAD <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">150</div> ENTER FT or MI <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">FT</div>	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="radio"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="radio"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">HOWARD</div> COUNTY NO. <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">139913</div> STATE SIGNATURE _____ INSERT S _____ DATE ISSUED <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">11/10/89</div> CO SIGNATURE <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">James C. Nadeau</div> EXP. DATE <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">11/10/89</div> NORTH GRID <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">512000</div> EAST GRID <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">0811000</div>	
APPROXIMATE DEPTH OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">200</div> FEET		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">well</div> 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">811 E 509</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">N 3812</div>	
APPROXIMATE DIAMETER OF WELL <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">6</div> INCH		9:00 grout 7-1-89 11:15 am 16 bags cement 3 ft above grad 44 ft open hole 48 ft casing J. Nadeau	
METHOD OF DRILLING (circle one) BORED (or Augered) <input type="radio"/> JETTED <input type="radio"/> Jetted & DRIVEN <input type="radio"/> 30. AIR-ROTary <input type="radio"/> AIR-PERcussion <input type="radio"/> ROTARY (Hydraulic Rotary) <input checked="" type="radio"/> 37. CABLE <input type="radio"/> REVerse-ROTary <input type="radio"/> DRive-POINT <input type="radio"/> other _____		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39. <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="radio"/> THIS WELL WILL DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">41</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">52</div>		Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">54</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">G A P</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">63</div> FORCE <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">J M</div> WRITE INITIALS IN BOX PERMIT NO. <div style="border: 1px solid black; padding: 2px; display: inline-block; font-size: 1.2em; font-weight: bold;">H0-88-0604</div> SPECIAL CONDITIONS	

HD-224

48 PL 44 gpr 16 Bass

Review

26 DRI L60
PUMP T65 9/6/89
8:00 AM 3H23

Well Permit No. HO - 88-0604
Location of property (road) TWELVE ~~TREES~~ COURT
Subdivision TWELVE HILLS Lot 3112 Block - Plat - Sec. 3
Well Driller F. DELPH Owner ALTOGETHER LTD. PART.

Depth of well 165 ft
Distance of measuring point (M.P.) above ground 3 ft
Static water level (S.W.L.) below M.P. 46 ft

I. High rate pumping -- reservoir drawdown

Time pump started 1:00 Pumping rate 10 G.P.M.
Total time 20 min to reach pumping water level 75 ft. below M.P.

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

[illegible]

**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: Pipe-Rite Telephone #: 410-788-3080
Address: 405 Lafayette Ave
Baltimore, MD 21228

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

Name (Print): George Baker License # 2214

*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: DE HARTSEN Telephone #: _____
Subdivision: Twin Lakes Hills Lot #: 37 Well Tag #: HO-98-0664
Site Address: 14004 Twin Lakes Dr Ct
Clarksville MD

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Meyers</u>	Make: <u>Martinson</u>	Two piece watertight cap: <u>✓</u>
Model #: _____	Model #: <u>310R</u>	Screened, vented well cap: <u>✓</u>
Pump Capacity <u>11</u> GPM	Depth: <u>48</u> (36" min)	Cap secured to casing: <u>✓</u>
Well Yield: <u>9</u> GPM	NSF approved: <u>✓</u>	Conduit min 18" B.G.: <u>✓</u>
Depth of well encountered at time of pump installation: <u>165</u> (feet)		Conduit secured to well cap: <u>✓</u>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
<u>Torque arrestors or Cable guards</u> are required - Must circle one		
Safety rope, if used, attached to inside of well casing with eye bolt <u>✓</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Plastic</u>	PVC sleeved to undisturbed soil at wall penetration: <u>✓</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>5'</u>
Depth of supply line: <u>1/2</u> (36" min)	Sleeve caulked and sealed properly: <u>✓</u>

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: George Baker date: 4-16-2001

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

Date Insp. Requested: 2/22/01 Date Insp. Approved: 4/18/01 AP
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 prob OK could not verify
Safety rope installed inside of well casing: NA into ground
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection NA all work is covered
Adequate grout observed below pitless adapter grout protruding OK anything below grade is not visible when PPF 4/18/01 pitless checked





274.83' (13) 418.3 416.0 419.8

S65°29'16" E 183.15' (BRL)

N74°16'54" E 61.11' (BRL)

S85°31'23" E 129.75' (BRL)

30' 30' BRL

311°13'43"E 330.82'

225' BRL

S58°58'17"E 322.61'

L = 56.71'

S83°05'20"E 99.87'

L = 26.18'

S83°05'20"E 93.17'

L = 26.18'

S83°05'20"E 99.87'

L = 19.13'

L = 21.03'

160' BRL

N57°22'45"E 217.09'

30' 60' BRL

N14°32'37"W 188.79'

60' 30' BRL

LOT 38

LOT 36

LOT 37

LOT 41

OAKS

WELL SITE

FLOODPLAIN EASEMENT

75' REVERTIBLE SLOPE EASEMENT

20' DRAIN UTILITY

Note: Limited house site for lot 36 minimum first floor elevation: 442.0'

REVISION