

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-3122

OWNER Dale Thompson Builders STREET OR RFD Preservation Court TOWN Fulton SUBDIVISION Pindell Woods SECTION LOT 160

**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	
Top Soil	0	2	
Sandy	2	30	
Sand Stone	30	40	✓
MICKA	40	65	
Sand Stone	65	70	✓
MICKA	70	140	

**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 14 NO. OF POUNDS 1400  
GALLONS OF WATER 84  
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 30 ft.

**CASING RECORD**  
casing types insert appropriate code below  
STEEL  ST CONCRETE  CO  
PLASTIC  PL OTHER  OT  
MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 48

**OTHER CASING (if used)**  
A diameter inch B depth (feet) from to C H S N G

**SCREEN RECORD**  
screen type or open hole (insert appropriate code below) STEEL  ST BRASS  BR BRONZE  PL PLASTIC  HO OPEN HOLE  OT OTHER  OT

**C 3**  
**PUMPING TEST**  
HOURS PUMPED (nearest hour) 3  
PUMPING RATE (gal. per min.) 10  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface) BEFORE PUMPING 38 ft. WHEN PUMPING 40 ft.  
TYPE OF PUMP USED (for test)  S submersible

**PUMP INSTALLED**  
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) 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) 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 3 (nearest foot)

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. 1 M SD 117  
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

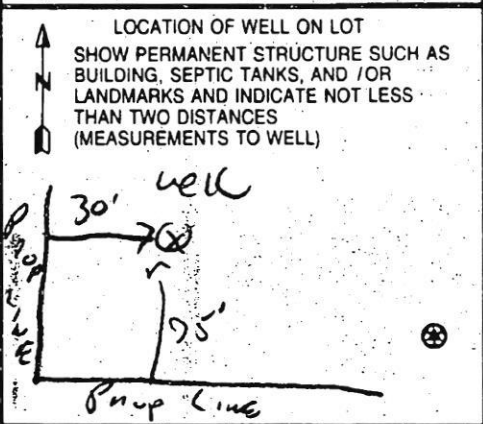
IC NO. 1 M D

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

**C 2**  
DEPTH (nearest ft.) 140 45 140  
A 8' 9' 11' 15' 17' 21'  
C 23 24 26 30 32 36  
H 38 39 41 45 47 51  
S  
E  
N  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN (NEAREST INCH) 56 60  
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  
70 72 74 75 76  
TELESCOPE CASING LOG INDICATOR OTHER DATA



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3122  
 Location of property (road) Preservation Court  
 Subdivision Pindell Woods Lot 16 Block      Plat      Sec.       
 Well Driller R. Mayne Owner Dale Thompson Builders

Depth of well 140  
 Distance of measuring point (M.P.) above ground 3<sup>ft</sup>  
 Static water level (S.W.L.) below M.P. 38<sup>ft</sup>

I. High rate pumping -- reservoir drawdown

Time pump started 8:30 Pumping rate 1.0 GPM  
 Total time 15 min to reach pumping water level 40 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 <u>1</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	38 ft	6 Sec	<del>                    </del>	10 GPM
8:45	40 ft	6 Sec		10 GPM
9:00	40 ft	6 Sec		10 GPM
9:15	40 ft	6 Sec		10 GPM
9:30	40 "	6 "		10 "
9:45	40 "	6 "		10 "
10:00	40 "	6 "		10 "
10:15	40 ft	6 Sec		10 GPM
10:30	40 ft	6 Sec		10 GPM
10:45	40 ft	6 Sec		10 GPM
11:00	40 "	6 "		10 "
11:15	40 "	6 "		10 "
11:30	40 ft	6 Sec		10 GPM
11:45	40 ft	6 Sec		10 GPM

HD-224 48" Casin 30t open 14 days



B 1 18626

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-94-3122

514687 please print or type

fill in this form completely

Date Received (APA) 12-13-00

OWNER INFORMATION

Thomas Dale Builders, 630 Woodside Court, Columbia MD 21045

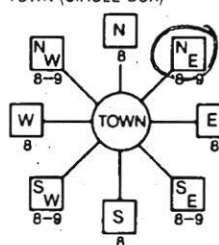
LOCATION OF WELL

Howard Pindellwoods, FULTON, NEAREST TOWN

DRILLER INFORMATION

Ralph Mayne M.S.D. 117, Ralph Mayne Well Drilling, 1024 HARDY RD MT. AIRY MD

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Preservation, NEAR WHAT ROAD, ON WHICH SIDE OF ROAD, DISTANCE FROM ROAD 300 FT

WELL INFORMATION, APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION, FARMING, INDUSTRIAL, COMMERCIAL, DEWATERING, PUBLIC WATER SUPPLY WELL, TEST, OBSERVATION, MONITORING, GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard, COUNTY NAME, STATE SIGNATURE, DATE ISSUED 06-11-01, CO SIGNATURE, EXP. DATE 06-10-02, NORTH GRID 488 000, EAST GRID 0823 000

APPROXIMATE DEPTH OF WELL 150 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered), JETTED, Jetted & DRIVEN, AIR-ROTary, AIR-PERCussion, ROTARY (Hydraulic Rotary), CABLE, REVerse-ROTary, DRive-POINT

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

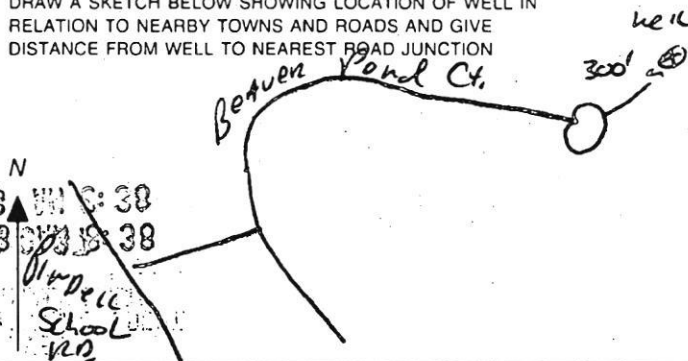
- THIS WELL WILL NOT REPLACE AN EXISTING WELL, THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED, THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS, THIS WELL WILL DEEPEIN AN EXISTING WELL

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X, SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 4800, N 8200

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



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

APPROP. PERMIT NUMBER HO000 GAP 012(01), PERMIT No. HO 94-3122

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



4/1/03  
Please note  
corrected address

**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: WILLOUGHBY PLUMB Telephone #: 410-781-7051  
Address: 6203 PATRICK DR  
SCHELVILLE, MD

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer   
License # and name of individual responsible for the field installation:  
Name (Print): Chris Wiloughby License # 6992  
\*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: DALE THOMPSON BUDS Telephone #: 410-995-6931  
Subdivision: PINDEL WOODS Lot #: 16 Well Tag #: HO 44-3122  
Site Address: 7553 PRESERVATION CT  
FULTON MD 20754

**Submittable Pump Data**      **Pitless Adapter**      **Well Cap and Electric Conduit**  
Make: JALUZZI      Make: FORWARD      Two piece watertight cap:   
Model #: \_\_\_\_\_      Model #: \_\_\_\_\_      Screened, vented well cap:   
Pump Capacity: \_\_\_\_\_ GPM      Depth: 48" (36" min)      Cap secured to casing:   
Well Yield: 10 GPM      NSF approved: \_\_\_\_\_      Conduit min 1 1/2" B.G.:   
Depth of well encountered at time of pump installation: 140 (feet)      Conduit secured to well cap:   
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 leads of well casing with eye bolt

**Piping to house**      **House Connection**  
Type: PVC      PVC sleeved to undisturbed soil at wall penetration:   
PSI: 1" (160 psi min)      Approximate length of sleeve: 6"  
Depth of supply line:  36" min)      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: Chris Wiloughby      Date: 3/12/03

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

Date Insp. Requested: 4/2/03 Anytime      Date Insp. Approved: 4/2/03 60  
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 ground observed below pitless adapter \_\_\_\_\_