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| <b>B 1</b><br>2262<br><small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>   | SEQUENCE NO. (DP USE ONLY)<br>238<br>77 License No. 80 | <b>STATE OF MARYLAND</b><br><b>PERMIT TO DRILL WELL</b><br>please print or type  | STATE PERMIT NUMBER<br>HD-88-0664<br><small>fill in this form completely</small> |
| <b>OWNER INFORMATION</b><br>Date Received (APA) 50989<br>HILLTOP DEVELOPMENT<br>15 Last Name Owner First Name 34<br>P.O. Box 208<br>Street or RFD 55<br>CLARKSVILLE MD 21029<br>Town 70 State 72 Zip 76   |  | <b>LOCATION OF WELL</b><br>1 2<br>HOWARD<br>8 COUNTY<br>SAND HILL ESTATES<br>23 SUBDIVISION 42<br>SECTION 44 46 LOT 7 48 50<br>WESTERFRIENDSHIP<br>52 NEAREST TOWN 71<br>MILES FROM TOWN (enter 0 if in town) 1 1/2 73 MI 76 77 78   |  |
| <b>DRILLER INFORMATION</b><br>Joseph L. Wayne<br>Driller's Name<br>Joseph L. Wayne WELL DRILLING<br>5512 Ridge Rd. Mt Airy, Md. 21771<br>Address<br>Joseph L. Wayne<br>Signature Date 4/29/89   |  | <b>WELL INFORMATION</b><br>APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12<br>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20<br><b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b><br><input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)<br><input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)<br><input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)<br><input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)<br><input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT) |  |
| APPROXIMATE DEPTH OF WELL 280 24 28 FEET<br>APPROXIMATE DIAMETER OF WELL 6 INCH<br><b>METHOD OF DRILLING (circle one)</b><br>BORED (or Augered) JETTED Jetted & DRIVEN<br>30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)<br>37 CABLE REVERSE-ROTARY Drive-POINT<br>other _____  |  | NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL<br>HOWARD<br>COUNTY NAME<br>A40946<br>COUNTY NO.<br>STATE SIGNATURE _____ INSERT S<br>DATE ISSUED 060289 Craig Williams 12/2/89<br>43 CO SIGNATURE 48 EXP. DATE<br>NORTH GRID 535000 EAST GRID 0819000<br>50 55 57 63  |  |
| <b>REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)</b><br><input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL<br><input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED<br>39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY<br><input type="checkbox"/> THIS WELL WILL DEEPEIN AN EXISTING WELL<br>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 _____ 52 |  | SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X.<br>SOURCES OF DRILLING WATER<br>1. WELL<br>2.<br>3.<br>WRITE THE BOX NUMBER FROM THE MAP HERE<br>E 810 9<br>N 530 5<br>DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION<br>9-6-89 10:30am GROUT<br>84' CASING GROUT OBS'D<br>50x' OPEN<br>1 1/2' CASING A.G.<br>17 BAGS 9/6/89<br>2 DRY HOLES FILLED<br>VTAG OK MR  |  |
| Not to be filled in by driller (OEP USE ONLY)<br>APPROP. PERMIT NUMBER _____ 54 GAP 63<br>FORCE 67 68 WRITE INITIALS IN BOX PERMIT NO. HD-88-0664 70 71 72 73 74 75 76 77 78 79   |  | SPECIAL CONDITIONS<br>   |  |

C-1 9902 SEQUENCE NO. (DENV USE ONLY)

1 2 3 4 5 6  
(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 TYPETHIS REPORT MUST BE SUBMITTED WITHIN  
45 DAYS AFTER WELL IS COMPLETED.COUNTY  
NUMBER A 40946ST/CO USE ONLY  
DATE RECEIVED

8 9 10 11 12 13

DATE WELL COMPLETED

12/06/89

Depth of Well

22 365 26  
(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

110-88-0664

OWNER

HILL TOP DEVELOPERS

STREET OR RFD

last name

LAMPLIGHTER DRIVE

first name

TOWN WEST FRIENDSHIP

SUBDIVISION

SAND HILL ACRES

SECTION

LOT

7

## WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS  
PENETRATED, THEIR COLOR, DEPTH,  
THICKNESS AND IF WATER BEARINGDESCRIPTION (Use  
additional sheets if needed)

FEET

FROM

TO

Check  
if water  
bearing

SAND stone

0 78

GRAY MICR  
ROCK

78 365

## GROUTING RECORD

WELL HAS BEEN GROUTED  
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT ☒ CMBENTONITE CLAY ☒ BC

NO. OF BAGS

17

NO. OF POUNDS

1578

GALLONS OF WATER

100

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 50 BOTTOM 58 ft.  
(enter 0 if from surface)casing  
types  
insert  
appropriate  
code  
below

## CASING RECORD

☒ ST ☒ CO  
STEEL CONCRETE  
☒ PL ☒ OT  
PLASTIC OTHERMAIN  
CASING  
TYPENominal diameter  
top (main) casing  
(nearest inch)Total depth  
of main casing  
(nearest foot)☒ ST☒ 1☒ 94☒ 63 64EACH  
CASINGOTHER CASING (if used)  
diameter depth (feet)  
inch from to☐☐screen type  
or open hole  
insert  
appropriate  
code  
below

## SCREEN RECORD

☒ ST ☒ BR ☒ HO  
STEEL BRASS OPEN  
HOLE  
☒ PL ☒ OT  
PLASTIC OTHEREACH  
SCREENDEPTH (nearest ft.)  
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

SLOT SIZE

2 3

DIAMETER  
OF SCREEN☐(NEAREST  
INCH)

from

to

GRAVEL PACK

IF WELL DRILLED WAS  
FLOWING WELL INSERT  
F IN BOX 68OEP USE ONLY  
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74 75 76

TELESCOPE

LOG

OTHER DATA

CASING

INDICATOR

C

D

COUNTY

## PUMPING TEST

HOURS PUMPED (nearest hour)

PUMPING RATE (gal. per min.  
to nearest gal.)METHOD USED TO  
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

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:

CAPACITY:

GALLONS PER MINUTE

(to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH

(nearest ft.)

CASING HEIGHT (circle appropriate box  
and enter casing height)☒ + above☒ - below

LAND SURFACE

(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)

SAND HILL

WELL

110-88-0664

12/20/94

0665

12/20/94

0665

12/20/94

0665

12/20/94

0665

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