
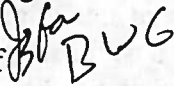


WMA MEMO

TO: All Well Drilling Firms
Approving Authorities
MDE Water Supply Program

FROM: John Boris, Geologist 
Onsite Systems Division
Wastewater Permits Program

THRU: Barry Glotfeldt, Chief 
Onsite Systems Division
Wastewater Permits Program

DATE: June 9, 2011

SUBJECT: Changes to Water Well Drilling Forms

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Effective July 1, 2011 we will be utilizing the new well forms. As a result of the five meetings held in the Fall of 2010 in regards to the change from using the current NAD 27 coordinate system to the use of WGS 84 the State of Maryland has upgraded the well forms to reflect this. As a result of the favorable reaction made by the Industry and Approving Authorities that attended the meetings and withering supplies of the current forms the Department will be accepting comments (good/bad/or indifferent) on a rolling basis.

Beginning July 1, 2011 the new forms can be obtained through the local Approving Authorities and the Department on an incremental basis only. Due to mailing costs it is anticipated that you acquire your forms at the Approving Authority offices. If you call the Department for the forms you will only receive a maximum of two (2) packets of each form for the first 6 months. Please be aware that our initial stock is limited and we ask that you only request what you think you'll need for two months. **Until the current stock is depleted you can use the existing forms provided that you supply the same information that is required on the new forms.** For example; on a geothermal application you'll need to provide an "O" or a "C" but we will not require the grid location. On the completion report you'll need to provide the latitude and longitude of the well.

A summary of the changes is as follows:

Changes to the State of Maryland Application for Permit to Drill Well (Green Form)

- In the “Type of Well” box you will see an “O” for open loop geothermal and a “C” for closed loop geothermal. This change occurred to the growing use of geothermal wells and creates a clear intent as to the type of well to be installed. This change will allow for better reporting of these wells being constructed and allow for easier identification as to which regulations apply.
- The deletion of the “well coordinates” on the Well Permit Application. The State of Maryland will only accept the coordinates of the COMPLETED well on the Completion Report in WGS 84 coordinates.
- The “Sources of Drilling Water” box has been moved to allow for more room for a site sketch.
- The larger space on the lower right hand side of the Well Permit Application is large enough to be used as the site plan for a well construction permit. A detailed sketch that includes the items listed is to be shown in this box. This may not reflect the actual final location of the well but should show the desired well location can meet all well site requirements. This was done to ease the use of additional paper resources.

Changes to the State of Maryland Well Completion Report (Yellow Form)

- “Street or RFD” will be changed to “Well Property Address”. The wells actual location and not the owners address is to be on the completion report.
- A well location sketch is no longer required. However, if it differs from the application a small sketch can be shown in the space provided.
- We have added place markers to show the latitude and longitude of the final well location with a reminder that the location must be in WGS 84 digital format. The place markers have been added to alleviate the confusion of which number is latitude and longitude. This format was chosen because it is the most commonly used out of the box setting for hand held GPS units.

Changes to the Well Abandonment-Sealing Report Form (White Form)

- The only change to this form will be to add the latitude and longitude of the well being abandoned. This has not been included in this mailing but will be on the new abandonment forms once current stock has been exhausted. We ask that you please add the GPS coordinates to the current form.

Attachments

B 1	2501	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER 70 _____ 79 <i>fill in this form completely</i>
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OWNER INFORMATION

Date Received (APA) _____

8 MM DD YY 13

15 Last Name Owner First Name 34

36 Street or RFD 55

57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

8 COUNTY 21

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

52 NEAREST TOWN 71

DRILLER INFORMATION

Driller's Name _____ M D License No. 76 81

Firm Name _____

Address _____

Signature _____ Date _____

B 4 SOURCES OF DRILLING WATER

1 _____

2 _____

3 _____

11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH
 WEST EAST
 SOUTH

34 37 DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: _____ BLK: _____ PARCEL _____

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) _____ 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) _____ 14 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

OPEN LOOP GEOTHERMAL

CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

_____ COUNTY NAME COUNTY NO. _____

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED _____

43 MM DD YY 48 CO SIGNATURE _____ EXP. DATE _____

APPROXIMATE DEPTH OF WELL _____ FEET

24 28

APPROXIMATE DIAMETER OF WELL _____ NEAREST INCH

PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 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

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

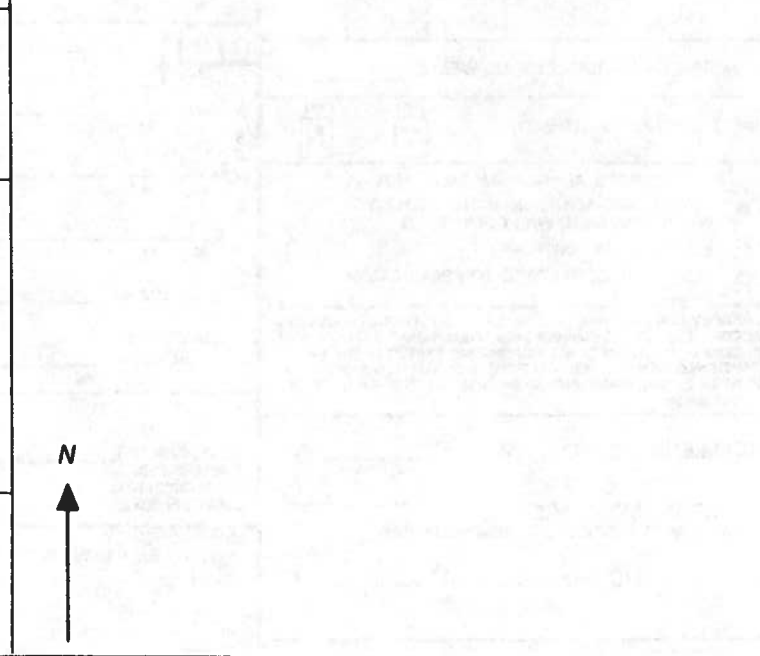
THIS WELL WILL DEEPEM AN EXISTING WELL

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)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No _____ 70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

C1 1501 (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 28 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER WELL SITE ADDRESS TOWN SUBDIVISION SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing

GROUTING RECORD form with fields for material type (CM, BC), bags/pounds, and depth of seal.

CASING RECORD form with fields for casing type (ST, CO, PL, OT), diameter, and depth.

OTHER CASING (if used) form with diameter and depth fields.

SCREEN RECORD form with fields for screen type (ST, BR, HO, PL, OT) and depth.

PUMPING TEST form with fields for hours pumped, rate, method, water level, and pump type.

PUMP INSTALLED form with fields for pump type, capacity, horsepower, and casing height.

WELL HYDROFRACTURED form with yes/no options.

Circle appropriate letter (A, E, P) for well status.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04...

DRILLERS LIC. NO. and SIGNATURE fields.

SITE SUPERVISOR (sign. of driller or journeyman) field.

DEPTH (nearest ft.) and SLOT SIZE fields.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL field.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) fields.

LATITUDE 3 and LONGITUDE 7 fields.

NOTES: area with a circled cross symbol.