

C1 09150

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY 08 27 13

DATE WELL COMPLETED MM DD YY 09 11 13

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2579

OWNER Wehrung Thomas WELL SITE ADDRESS 13525 Paternal Gift Drive TOWN Highland SUBDIVISION Paternal Gift Farm SECTION LOT 9

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Silt-Fr. Sand F to V-f Tr. Mica Staff, V. Staff, Weathered Rock, Rock. Hard Blue/gray Schist, Geotermal installed 125' U-bend Closed loop.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 21 NO. OF POUNDS 1150 GALLONS OF WATER 525 DEPTH OF GROUT SEAL (to nearest foot) from 3 ft. to 480 ft.

CASING RECORD

MAIN CASING TYPE, Nominal diameter top (main) casing (nearest inch), Total depth of main casing (nearest foot). Includes codes for Steel, Concrete, Plastic, Other.

OTHER CASING (if used) diameter inch, depth (feet) from to.

SCREEN RECORD

screen type or open hole (insert appropriate code below) ST STEEL, BR BRASS, HO OPEN HOLE, PL PLASTIC, OT OTHER.

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, N. Rows for slot size and diameter of screen.

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) N/A, PUMPING RATE (gal. per min.) N/A, METHOD USED TO MEASURE PUMPING RATE N/A, WATER LEVEL (distance from land surface) BEFORE PUMPING 100 ft., WHEN PUMPING N/A 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, - below, LAND SURFACE 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. MWD 5722

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. JW D 391

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

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.175105 LONGITUDE 76.958662 (DEFAULT COORD. WGS 84) NOTES:

C1 09151

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.

COUNTY NUMBER

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

ST/CO USE ONLY

DATE RECEIVED MM DD YY 09 21 13

DATE WELL COMPLETED MM DD YY 7 9 13

DEPTH OF WELL 480

PERMIT NO. FROM "PERMIT TO DRILL WELL" H6-95-2579

OWNER: Wehrung Thomas; WELL SITE ADDRESS: 13525 Paternal Gift Drive; TOWN: Highland; SUBDIVISION: Paternal Gift Farm; SECTION: ; LOT: 9

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries like Silty Sand, V-Stuff, Weathered, Rock, Blue/grey, Geothermal.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N); TYPE OF GROUTING MATERIAL (CM/Bentonite Clay/BC); NO. OF BAGS; NO. OF POUNDS; GALLONS OF WATER; DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (ST/Steel, CO/Concrete, PL/Plastic, OT/Other); Nominal diameter; Total depth

OTHER CASING (if used)

Table for other casing with columns for diameter and depth

SCREEN RECORD

screen type or open hole (ST/Steel, BR/Brass, HO/Open Hole, PL/Plastic, OT/Other)

C2

DEPTH (nearest ft.)

Table for screen depth with columns for slot size and diameter of screen

C3

PUMPING TEST

HOURS PUMPED; PUMPING RATE; METHOD USED TO MEASURE PUMPING RATE; WATER LEVEL; TYPE OF PUMP USED

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES/NO); TYPE OF PUMP INSTALLED; CAPACITY; PUMP HORSE POWER; PUMP COLUMN LENGTH; CASING HEIGHT

LATITUDE 39.175161; LONGITUDE 76.958648; (DEFAULT COORD. WGS 84)

NOTES:

DRILLERS LIC. NO. 1 MWD 532

DRILLERS SIGNATURE: Samuel A. Connelly

LIC. NO. 1 JW D 391

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

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL

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

TELESCOPE CASING; LOG INDICATOR; OTHER DATA

B 1	23421	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 545125 please type	STATE PERMIT NUMBER HO-95-2579 fill in this form completely
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Date Received (APA) 08 21 13

**OWNER INFORMATION**

8 MM DD YY 13

15 Last Name Wehrung Owner Thomas First Name 34

36 Street or RFD 13525 Paternal Gift Dr. 55

57 Town Highland Ma. 20777 State 70 Zip 76

B 3

**LOCATION OF WELL**

8 COUNTY Howard 21

23 SUBDIVISION Paternal Gift Farm 42

SECTION 44 46 LOT 48 50 9

52 NEAREST TOWN Highland 71

**DRILLER INFORMATION**

76 Driller's Name Sam Connelly MW D 572 License No. 81

Firm Name Connelly and Associates

Address 260 Interstate Ct. Frederick, Md. 21704

Signature Samuel A. Connelly Date 8/19/2013

B 4

**SOURCES OF DRILLING WATER**

1. ~~Public~~ Private

2. Private

3.

11 STREET ADDRESS 13525 Paternal Gift Dr. 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 37 37 NORTH WEST SOUTH EAST

DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 0040 BLK: \_\_\_\_\_ PARCEL 0090

B 2

**WELL INFORMATION**

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) N/A 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A 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 3 bores x 480"

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**

Howard 13

COUNTY NAME COUNTY NO.

STATE SIGNATURE \_\_\_\_\_ INSERT S → 41

DATE ISSUED 08/28/2013

43 MM DD YY 48 CO SIGNATURE [Signature] EXP. DATE 8/28/14

APPROXIMATE DEPTH OF WELL 480 FEET

24 28

APPROXIMATE DIAMETER OF WELL 6 INCH

NEAREST INCH

**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 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

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 DEEPEIN AN EXISTING WELL

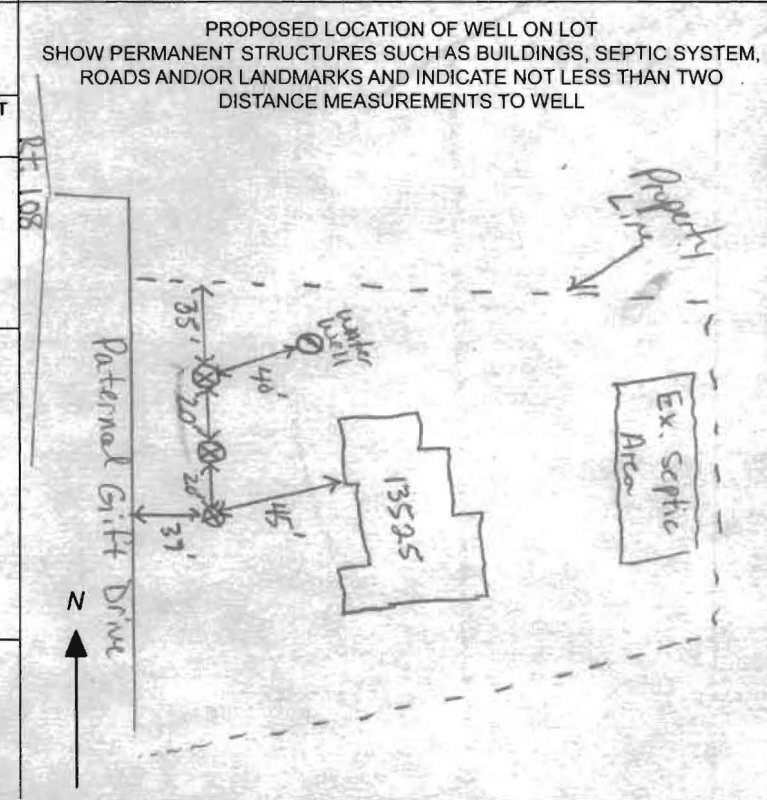
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 \_\_\_\_\_ 52

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

APPROP. PERMIT NUMBER \_\_\_\_\_

PERMIT No. HO-95-2579

70 71 72 73 74 75 76 77 78 79



**SPECIAL CONDITIONS**

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

Wells must be grouted from bottom to top