

C1 6901

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 517336

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 4 16 2008

Depth of Well 300'

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho - 95 - 1578

OWNER Warfield Sr, last name Michele, first name Kenneth, STREET OR RFD The Warfields II, TOWN Dayton, SECTION 2, LOT 59

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 for Sand (0-54) and Gray Mica Rock (54-300).

GROUTING RECORD

WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (ST), Nominal diameter top (main) casing (6), Total depth of main casing (60)

OTHER CASING (if used) PL, diameter 4 1/2 inch, depth 3 feet

SCREEN RECORD

screen type or open hole (ST), insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y)

- 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...

DRILLERS LIC. NO. 1 MS DO 24, DRILLERS SIGNATURE Joseph E. Mayne

LIC. NO. 1 D

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

DEPTH (nearest ft.)

Table with columns: 1-51, rows: A, C, H, S, R, E, N. Includes handwritten values 40, 58, 300.

DIAMETER OF SCREEN (NEAREST INCH) 56 to 60

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min.) 7.5, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 25 ft., WHEN PUMPING 157 ft., TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (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.

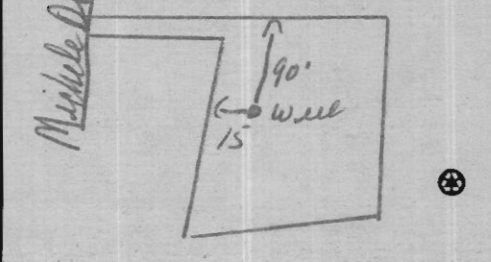
CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 to 35

PUMP HORSE POWER 37 to 41

PUMP COLUMN LENGTH (nearest ft.) 43 to 47

CASING HEIGHT (circle appropriate box and enter casing height) + above, LAND SURFACE, - below, 2 (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)



B 1 1045
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
528460 please type

STATE PERMIT NUMBER

40-95-1578
70 fill in this form completely 79

Date Received (APA)
1-28-08
8 MM DD YY 13

OWNER INFORMATION

15 Warfield Jr Kennard
Last Name Owner First Name 34
36 P.O. Box 30
Street or RFD 55
57 Glenelg Md 21734
Town State Zip 76

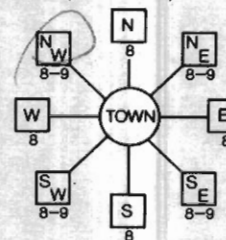
B 3 LOCATION OF WELL

8 Howard
COUNTY 21
23 The Warfield II
SUBDIVISION 42
SECTION 2 LOT 59
44 46 48 50
52 Dayton
NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 4 MI
73 76 77 78

DRILLER INFORMATION

Driller's Name Joseph L Mayne MS D 024
76 License No. 81
Firm Name Joseph L Mayne Well Drilling
Address 5512 Ridge Rd Mt Airy Md 21781
Signature Joseph L Mayne 1-18-08
Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Michele Drine
11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W 32 EAST E
SOUTH S
34 175 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39

TAX MAP: 21 BLK: _____ PARCEL 114

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500
14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- I INDUSTRIAL, COMMERCIAL, DEWATERING
- P PUBLIC WATER SUPPLY WELL
- T TEST, OBSERVATION, MONITORING
- G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A 517336
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S →
DATE ISSUED 3/10/08
43 MM DD YY 48 CO SIGNATURE Mike Wolf 3/10/08
EXP. DATE
NORTH GRID 517 000 EAST GRID 0796 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
 - Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 - 39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 - D THIS WELL WILL DEEPEMED AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. Well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 7906
N 5107
000
000

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)

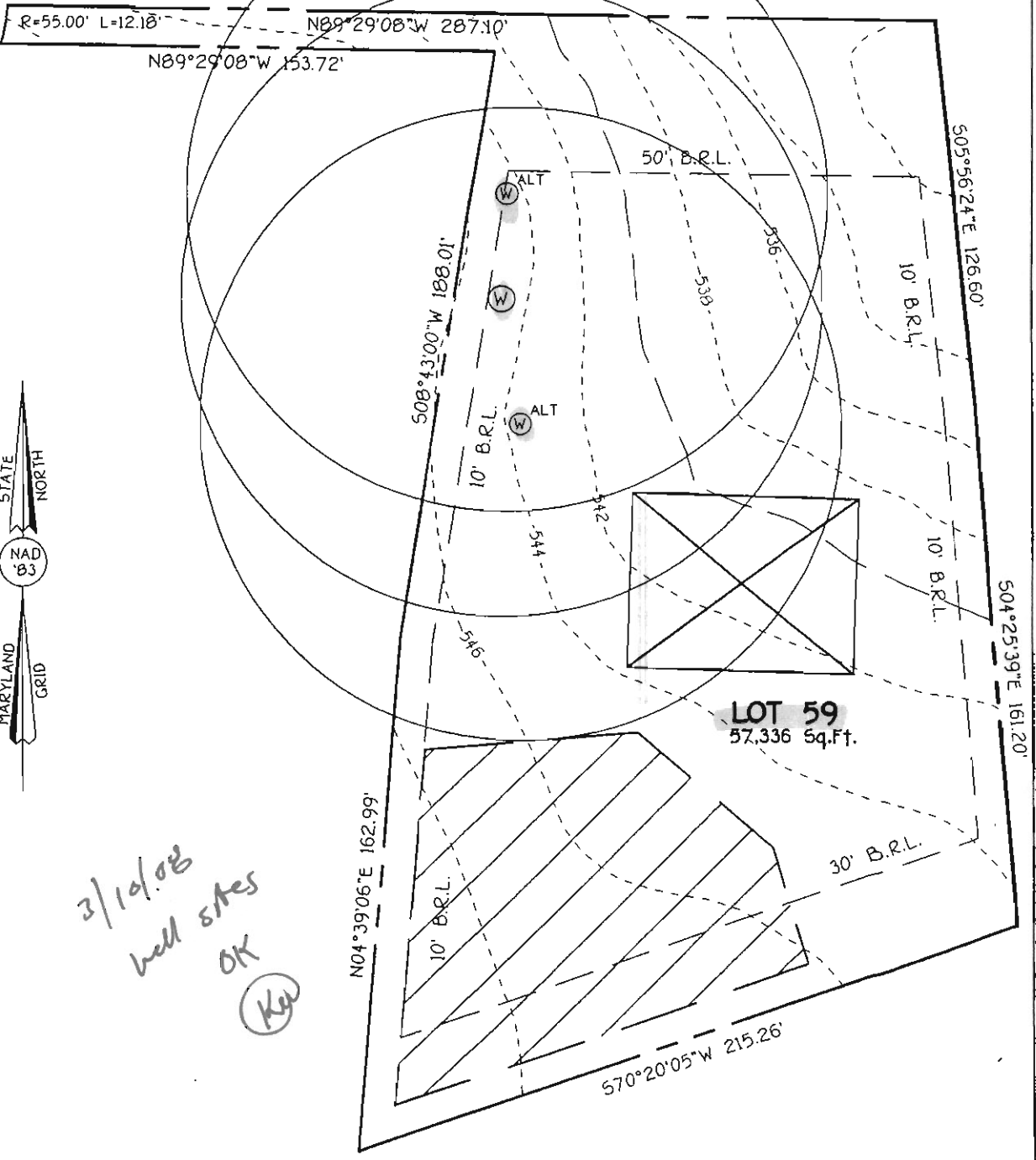
APPROX. PERMIT NUMBER H0 200 6 G 00 9
PERMIT No. H0-95-1578
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

K:\Drawings 3\30310 Warfield Homestead\DWG\30310 Well Exhibit War II Section 2 Lot 59.dwg, 12/11/2007 5:11:54 PM

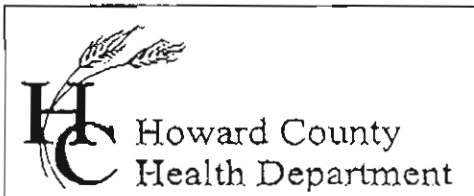
MICHELE DRIVE



3/14/08
well sites
OK
(KJ)

EXHIBIT TO ACCOMPANY
WELL PERMIT
LOT 59
THE WARFIELDS II
SECTION TWO
Lots 6 Thru 68,
Cemetery Open Space Lot 69, And
Bulldable Preservation Parcel 'A' And
Non-Bulldable Preservation Parcels 'B', Thru 'I'
Tax Map: 21, Grid 23, Parcel: 55
Tax Map: 27, Grid 5, Parcels: 56, 109 And 144
Fourth Election District
Howard County, Maryland
Date: December 6, 2007
F-07-040

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 16272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21117
(410) 461 - 2295



7178 Columbia Gateway Drive, Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

* When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

The Warfields II 10 lots Triadelphia Rd
 Subdivision/Property Name Lot# Road Name

The well site has been staked by Fisher Carter Collins,
 (professional land surveyor or company employing professional land surveyors)
 on 1-16-2008 (date) and does not require a site inspection.

The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/05



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D. Acting Health Officer

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – May 15th, 2013

November 15, 2012

Homeowner
14956 Michele Drive
Glenelg, MD 21737

RE: The Warfields II, Lot 59
14956 Michele Drive
Building Permit: B12002269
Well Permit: HO-95-1578

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **11/14/2012**. Final approval of the well line connection to the dwelling was granted on **10/9/2012**. The well construction was completed on **4/16/2008**. Water samples were collected on **10/24/2012**.

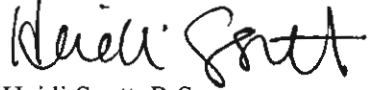
The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-1578. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:

<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink that reads "Heidi Scott". The signature is written in a cursive, flowing style.

Heidi Scott, R.S.
Environmental Sanitarian
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File



TRACE LABORATORIES, INC
 5 North Park Drive
 Hunt Valley, MD 21030 USA
 Telephone: 410/584-9099 / Fax: 410/584-9117
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory #318

CERTIFICATE OF ANALYSIS

Requester:

Rick Cross
 Robert L. Feezer Company
 6321 Barnett Avenue
 Sykesville, Maryland 21784

S/O Number: 87079

Report Date: October 25, 2012

Property Sampled: 14956 Michele Drive, 21797
Sample Location: Pressure Tank Tap
Residual Chlorine: <0.1 mg/L

Building Permit #: B12002269
Sampler ID #: 7483AM
Samples Iced: Yes

County: Howard
Map: 27

Subdivision: The Warfields
Parcel: 114

Lot #: 59

Date/Time Collected in Field: October 24, 2012 @ 12:30 pm
Date/Time Received in Lab: October 24, 2012 @ 2:20 pm

Well Tag #: HO-95-1578
Well Condition: 2-Piece Cap, Satisfactory

*OK
(KW)*

Water Treatment/Conditioning: Softener, Neutralizer

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
E. coli	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	8.9 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	1.4 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	6.0 Units	***
Sand		Absent	Absent	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

Katherine C. Higgs
 Katherine C. Higgs
 Manager – Drinking Water Testing

MCL: Maximum Contamination Level, an enforceable level established by the EPA
 *SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA
 ***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.