



HOWARD COUNTY HEALTH DEPARTMENT

37252

4 ^{DATE} 11 12

W5

Received From

John C. Murphy

PHONE #

7519 Brown Bridge Rd. Highland, MD 20777

For (2) Well Permit Applicats-

St. Paul, Lutheran Church - Lots 1 & 2

11815 Hunterbrooke Ln, & Murphy Pk + Stinson Dr.

three hundred and twenty dollars ^{*} // =

Dollars

CASH

CHECK

NO.

0130

\$

320

00

Received By

Curtis K...

C1 08007

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)

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER A530266

ST/CO USE ONLY DATE Received MM DD YY 05 08 12

DATE WELL COMPLETED 5-9-2012

Depth of Well 400' (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2285

OWNER: Murphy John - St. Paul's Lutheran Church; WELL SITE ADDRESS: ... TOWN: Fulton Md 20759; SUBDIVISION: St. Paul's Lutheran Church

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Sand, Mica Rock, and Water.

GROUTING RECORD form with fields for CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (14), NO. OF POUNDS (1316), GALLONS OF WATER (84), DEPTH OF GROUT SEAL (0 to 57 ft).

CASING RECORD form with fields for MAIN CASING TYPE (ST), Nominal diameter (6 inch), Total depth (63 foot).

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

SCREEN RECORD form with fields for screen type (ST), BRASS (BR), OPEN HOLE (HO), PLASTIC (PL), OTHER (OT).

PUMPING TEST form with fields for HOURS PUMPED (3), PUMPING RATE (6 gal. per min.), MEASURE PUMPING RATE (Bucket), WATER LEVEL (21 ft), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (2 foot).

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED: YES

CIRCLE APPROPRIATE LETTER: A (WELL WAS ABANDONED AND SEALED), 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.: MSD 027; DRILLERS SIGNATURE: ... LIC. NO.: MSD 027

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

DEPTH (nearest ft.) table with rows for casing heights and slot sizes.

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

LATITUDE 39.08.963; LONGITUDE 76.55.488 (DEFAULT COORD. WGS 84)

NOTES:

B 1 12188

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HO-95-2285 fill in this form completely

Date Received (APA)

OWNER INFORMATION

Murphy C John Hunterbrooke Lane Fulton Md 20759

B 3

LOCATION OF WELL

Howard County St. Paul's Lutheran church 23 SUBDIVISION SECTION 44 46 LOT 2 48 50 NEAREST TOWN Fulton

DRILLER INFORMATION

Joseph L Mayne M SD 024 5512 Ridge Rd Mt Airy md 21771

B 4

SOURCES OF DRILLING WATER

- 1. well

11815 Hunterbrooke Rd 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH 34 75 37 DISTANCE FROM ROAD FT ENTER FT OR MI 38 39 TAX MAP: 46-2 BLK: PARCEL

B 2

WELL INFORMATION

APPROX. PUMPING RATE 4 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 560 (GAL. PER DAY)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) A 530 266 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 4/19/12 CO SIGNATURE EXP. DATE 4/19/13

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 O OPEN LOOP GEOTHERMAL C CLOSED LOOP GEOTHERMAL

PROPOSED LOCATION OF WELL ON LOT 2 SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

APPROXIMATE DEPTH OF WELL 400 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST 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 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 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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

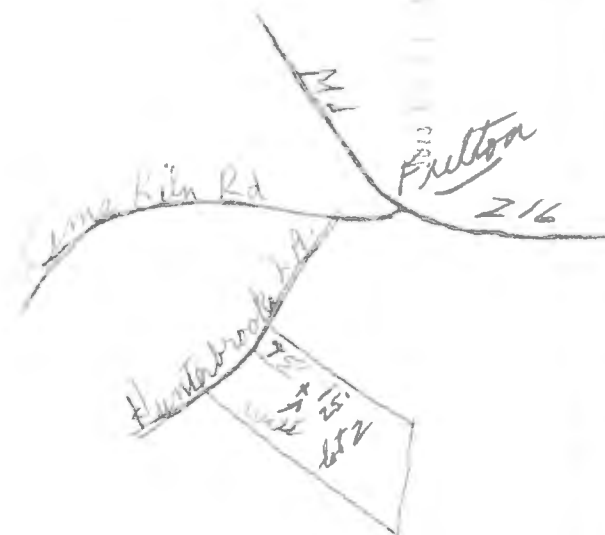
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER G

PERMIT No. HO-95-2285

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-2285
 Location of property (road) Hunterbrooke Lane
 Subdivision St. Paul's Lutheran Church Lot 2 Block Plat Sec.
 Well Driller Joseph Mayne Owner St. Paul Lutheran Church

Depth of well 400'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 21'

I. High rate pumping -- reservoir drawdown
 Time pump started 10:45 Pumping rate 20 gpm
 Total time 30 min to reach pumping water level 276 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:00	171	3 sec		20 gpm
11:15	276	4 sec		15 gpm
11:30	276	10 sec		6 gpm
11:45	275	10 sec		6 gpm
12:00	275	10 sec		6 gpm
12:15	274	10 sec		6 gpm
12:30	274	10 sec		6 gpm
12:45	274	10 sec		6 gpm
1:00	274	10 sec		6 gpm
1:15	274	10 sec		6 gpm
1:30	274	10 sec		6 gpm
1:45	274	10 sec		6 gpm
2:00	274	10 sec		6 gpm
2:15	274	10 sec		6 gpm
2:30	274	10 sec		6 gpm



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

Labs Inc.

3020 Ventrie Court * P.O. Box 245 * Myersville, MD 21773 * 301-293-3340 * Fax 301-293-3266
www.fredericktownelabs.com * info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 9072 - 1-1

Field Record

Site visit performed on: Thursday, July 03, 2014 12:20 PM
by: Ronald Demery State ID No. 8072RD
Affiliation: Fredericktowne Labs, Inc.

Property Owner: John Polizos
Property Address: 8035 Hunterbrooke Lane
Fulton, MD 20759

Sample Source: Kitchen Sink
Treatment Devices Noted: No Treatment Devices
Sample taken after treatment: No
Well No.: HO-95-2285
Field pH: 7.5
Total Res. Cl.: >2.2 mg/l

Temp: 14.8° C

Laboratory Report

Sample Received at laboratory: 7/3/2014 2:43 PM

Bacteriological results:

Total Colif. (/100ml)	E.coli.(/100ml)	Start		End		Method	Analyst
		Date	Time	Date	Time		
						9223B	NPV

See Other Report

Inorganic Chemical results:

Parameter	Result	Units	MCL	Date of Analysis	Method	Analyst
Nitrate-Nitrogen	0.2	mg/l	10	7/3/2014	300.0	JD/K
Sand	<2	mg/l	5	7/3/2014	0.065mm Filter	KB
Turbidity	7.3	NTU	10	7/3/2014	180.1	KMW

OK eb 8/13/2014

Reported by: Ellen Mellott 7/14/14
Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
MDOT WBE Cert. No.: 91-158



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www.fredericktownelabs.com * info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 9072 - 1-2

Field Record

Site visit performed on: Thursday, July 10, 2014 12:01 PM
by: Daniel Staley State ID No. 7048DS
Affiliation: Fredericktowne Labs, Inc.

Property Owner: John Polizos
Property Address: 8035 Hunterbrooke Lane
Fulton, MD 20759

Sample Source: Bathroom Sink

Well No.: HO-95-2285 ✓

Field pH: 7.6

Total Res. Cl.: <0.1 mg/l ✓

Temp: 16.7° C

Laboratory Report

Sample Received at laboratory: 7/10/2014 1:57 PM

Bacteriological results:

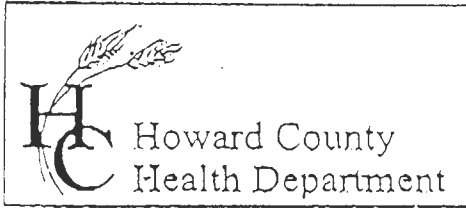
Total Colif. (/100ml)	E.coli (/100ml)	Start		End		Method	Analyst
		Date	Time	Date	Time		
<1	<1	07/10/14	14:20	07/11/14	08:52	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

'ok' reb 8/13/2014

Reported by: Edna Millott 7/14/14
Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
MDOT WBE Cert. No.: 91-158



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:

<u>St Paul's Lutheran Church</u>	<u>2</u>	<u>Hunterbrooke Lane</u>
Subdivision/Property Name	Lot#	Road Name

The well site has been staked by G.W. - P.A.
 (professional land surveyor or company employing professional land surveyors)
 on 4-6-2012 (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

N/F PROPERTY OF
THOMAS W. & JANICE K. [unclear]
L 741 F 578

EXISTING HOUSE AT
11815 IS TO BE
RAZED.

ChB2

ChB2

NON-BUILDABLE BULK PARCEL

P148
N/F PROPERTY OF
ALEXANDER V. & PHILIP A. GRACE
L 1976 F 177

APPROXIMATE
SEPTIC
LOCATION

HUNTERBROOKE LANE

4/19/12
Well Box Approved
Staked by G.W.
-KAW

PROPERTY OF
RINLEY, JR
L 507

M1C3

Lot 2

PT-2B

PT-2A

PT-2C

PT-2D

PT-2E

M1C3

P344
N/F PROPERTY OF
MERYL A. HOWARD
L 8039 F. 106
PART ONE

APPROXIMATE
SEPTIC
LOCATION

M1B2

PT-11

ChB2

GnA

P344
PROPERTY OF