

C1 5204

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.1 2 3 4 5 6
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)COUNTY
NUMBER

ST/CO USE ONLY

DATE Received
MM DD YY

DATE WELL COMPLETED

10 20 2008

Depth of Well

22 200

(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
HO - 95 - 0539

OWNER

Fulton Ridge LLC

STREET OR RFD

last name Scaggsville Road

first name

TOWN

Fulton

SUBDIVISION

Fulton Ridge

SECTION

LOT

5

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
bearingOverburden
Gray Rock

0

45

45

200

x

water at 61' & 86'

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

yes

no

Y

N

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT

BENTONITE CLAY

NO. OF BAGS

NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

ST

STEEL

PL

PLASTIC

CO

CONCRETE

OT

OTHER

MAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

60 61

63 64

66 67

OTHER CASING (if used)

diameter

depth (feet)

inch

from

to

screen type
or open hole

SCREEN RECORD

insert
appropriate
code
below

ST

STEEL

PL

PLASTIC

BR

BRASS

PL

PLASTIC

HO

OPEN

HOLE

OT

OTHER

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

yes

no

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
WELLI 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. M S D 162

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

AW 7666

D 7666

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 68MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

TELESCOPE
CASINGLOG
INDICATOR74 75 76
OTHER DATA

C 3

1 2

PUMPING TEST

HOURS PUMPED (nearest hour)

3

PUMPING RATE (gal. per min.)

4.00

METHOD USED TO
MEASURE PUMPING RATE

Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING

36

17 20

90

WHEN PUMPING

22 25

TYPE OF PUMP USED (for test)

A air

27

C centrifugal

27

J jet

27

P piston

27

R rotary

27

S submersible

27

T turbine

27

O other

27

(describe below)

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

49

- below

49

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)Drilled on
Primary
Stroke10'
30'

| B 1 | | SEQUENCE NO. (MDE USE ONLY) | | STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL | | STATE PERMIT NUMBER | |
|---|--|--------------------------------|--|--|--|--|--|
| 3933 | | | | 525578 please type | | HO - 95 - 0539 fill in this form completely | |
| Date Received (APA) 8 MM DD YY 13 Fulton Ridge LLC 15 Last Name Owner First Name 34 6339 Ten Oaks Road 36 Street or RFD 55 Clarksville MD 21029 57 Town 70 State 72 Zip 76 | | | | B 3 Howard LOCATION OF WELL 8 COUNTY 21 Fulton Ridge 23 SUBDIVISION 42 SECTION 44 46 LOT 5 48 50 Fulton 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 1 M I 73 76 77 78 | | | |
| DRILLER INFORMATION Michael D. Isom M S D 162 Driller's Name 76 License No. 81 G. Edgar Harr Sons Corp. Firm Name 12047 Falls Road, Cockeysville 21030 Address Signature 9/19/06 Date | | | | B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) N W 8-9 N E 8-9 W 8-9 E 8-9 S W 8-9 S 8-9 TOWN 11 NEAR WHAT ROAD 30 Scaggsville Road ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W EAST E SOUTH S 34 300 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 41 BLK: 13 PARCEL 2 | | | |
| B 2 WELL INFORMATION 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 750 | | | | NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard ASH 386 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 10/16/06 10/16/07 43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 405 0 0 0 EAST GRID 819 0 0 0 50 55 57 63 | | | |
| USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> GEO-THERMAL | | | | 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 8109 N 4805 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 Scaggsville Rd Pindell School | | | |
| APPROXIMATE DEPTH OF WELL 250 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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPEN 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 HO 2006 G615 PERMIT No. HO - 95 - 0539 70 71 72 73 74 75 76 77 78 79 | | | | | | | |
| SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED | | | | | | | |

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410) 313-2640 FAX: (410) 313-2648

1770

H. 2:00

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: WATER DOCTOR Telephone #: 410 792 0377
Address: P.O. Box 550, 10085 E. Guilford Rd
ANNAPOLIS JUNCTION MD 20701

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:

Name (Print): ROBERT BATEMAN License #: P1 0139

"A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licensed may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency."

Name of Property Owner: _____ Telephone #: _____
Subdivision: Fulton Ridge Lot #: 5 Well Tag #: HO-95-0539
Site Address: 12127 Fulton Ridge Rd
Fulton

Submersible Pump Data
Make: GRUNDOS
Model #: 155QE10-220
Pump Capacity 15 GPM
Well Yield: Y GPM

Pitless Adapter
Make: MARTINSON
Model #: B 10X
Depth: 36" (36" min)
NSF/WSC approved: ✓

Well Cap and Electric Conduit
Two piece watertight cap: ✓
Screened, vented well cap: ✓
Cap secured to casing: ✓
Conduit min 18" B.G.: ✓
Conduit secured to well cap: ✓

Depth of well encountered at time of pump installation: 200 (feet)

If pump capacity exceeds well yield, a low water cut-off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors, Cable guards, or other acceptable method used: Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Piping to house

Type: P.E. (on Creek)
PSI: 160 (160 psi min)
Depth of supply line: 36" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: ✓
Approximate length of sleeve: 20
Sleeve caulked and sealed properly: YES

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

date

12/01/09

For Health Department Use Only - Not to be completed by installer

Date Insp. Requested: _____ Date Insp. Approved: _____ Inspector: 12/1/09 (BB)

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓

Two piece cap installed and attached to casing securely ✓

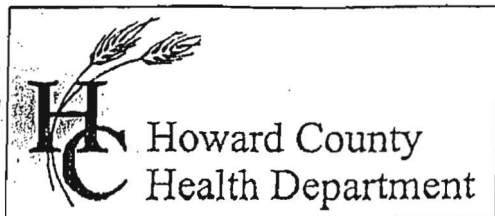
Elec. conduit extends at least 18" below grade/attached to cap properly ✓

Safety rope not seen outside of well cap/casing ✓

Correct well tag attached properly and casing 8" above finished grade ✓

Water supply line sleeved adequately at house connection ✓

Adequate ground observed below pitless adapter ✓



3525 H Ellicott Mills Drive • Ellicott City, MD 21043
(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

ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- ☒ The well site has been staked by LDE, Inc
on 9/22/06 and is ready for site inspection.
- ☐ _____ will call the Health Department
for a time to meet in the field to verify a well location.
- ☒ Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application.
This should help improve communication allowing a more timely
service for our citizens.

KN

[illegible]

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 'D'.

The site plan shows the following features and dimensions:

- LOT 4:** Limited Well Box, 100' R, 10' BRL, 276.08'.
- LOT 5:** 30' BRL, 100' R, 137.01', 10' BRL, 10' Min., 50' TYP., 119.14'.
- LOT 6:** 100' R, 10' BRL, 10' Min., 50' TYP., 119.14'.
- LOT 7:** 10' Min., 7.50', 7.07', 6.00'.
- LOT 8:** 10' Min., 7.50', 7.07', 6.00'.
- LOT 10:** 10' Public Tree Maintenance Easement, 121.70'.
- LOT 11:** 10' Public Tree Maintenance Easement, 121.70'.

The plan also includes a **Pressure Sewer Line**, a **Duplex Grinder Pump**, a **Septic Tank**, and a **Public Sewer and Utility Easement 20'x20'**.

Handwritten notes include: "Well site OK", "Staked by LDE", and "10/16/06".

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 1D.

Limited Well Box

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

LOT 10

LOT 11

MILTON RIDGE DRIVE

PRESSURE SEWER LINE

Septic Tank

Duplex Grinder Pump

Public Sewer and Utility Easement 20'x20'

10' Public Tree Maintenance Easement

Handwritten notes:

- 10/16/06 Well site OK Staked by LDE

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 1D.

Limited Well Box

Septic Tank

Duplex Grinder Pump

Public Sewer and Utility Easement 20'x20'

10' Public Tree Maintenance Easement

PRESSURE SEWER LINE

MULTON RIDGE DRIVE

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

LOT 10

LOT 11

Handwritten notes:

- Well site OK
- Staked by LDE

[illegible]

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- LOT 11:** 10' BRL, 10' Min., 7.50', 7.07', 6.00'.

Key infrastructure and easements include:

- Pressure Sewer Line:** Running horizontally across the bottom of the plan.
- Public Sewer and Utility Easement:** 20'x20'.
- 10' Public Tree Maintenance Easement:** Located near the duplex grinder pump.
- Septic Tank:** Located near LOT 4.
- Duplex Grinder Pump:** Located near LOT 5.
- Limited Well Box:** Located near LOT 4.

Handwritten notes on the plan include:

- 10/16/06 Well site OK Staked by LDE* (near LOT 7).
- 470* (near LOT 6).

[illegible][illegible][illegible]

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 'D'.

LOT 4
 LOT 5
 LOT 6
 LOT 7
 LOT 8
 LOT 10
 LOT 11

Limited Well Box
 Septic Tank
 Duplex Grinder Pump
 Public Sewer and Utility Easement 20'x20'
 10' Public Tree Maintenance Easement
 PRESSURE SEWER LINE
 TULTON RIDGE DRIVE

95.72'
 100' R
 470'
 30' BRL
 10' Min.
 10' BRL
 276.08'
 50' BRL
 10' BRL
 137.01'
 100' R
 10' BRL
 50' TYP.
 119.14'
 10' Min.
 7.50'
 7.07'
 6.00'
 121.70'
 480'
 10'x16' Well site OK Staked by LDE

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 'D'.

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Handwritten notes include: "Well site OK", "Staked by LDE", and "10/16/06".

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 'D'.

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

LOT 10

LOT 11

Pressure Sewer Line

Public Sewer and Utility Easement 20'x20'

10' Public Tree Maintenance Easement

Septic Tank

Duplex Grinder Pump

Limited Well Box

Dimensions: 95.72', 100' R, 137.01', 100' R, 10' BRL, 30' BRL, 10' Min., 50' TYP., 119.14', 10' Min., 7.50', 7.07', 6.00', 121.70', 276.08', 480', 470', 100'.

Notes: 10/16/06 Well site staked by LDE

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 'D'.

LOT 4
 LOT 5
 LOT 6
 LOT 7
 LOT 8
 LOT 10
 LOT 11

Limited Well Box
 Septic Tank
 Duplex Grinder Pump
 Public Sewer and Utility Easement 20'x20'
 10' Public Tree Maintenance Easement
 PRESSURE SEWER LINE
 TULTON RIDGE DRIVE

95.72'
 100' R
 470'
 30' BRL
 10' Min.
 10' BRL
 276.08'
 50' BRL
 10' BRL
 137.01'
 100' R
 10' BRL
 50' TYP.
 119.14'
 10' Min.
 7.50'
 7.07'
 6.00'
 121.70'
 480'
 10'x16' Well site OK Staked by LDE

[illegible][illegible]

Sewer service for this lot is provided by a pressure system constructed under Contract 50-4293-D, Disposal within shared septic system located on Parcel 'D'.

Limited Well Box

LOT 4

LOT 5

LOT 6

LOT 7

LOT 8

LOT 10

LOT 11

MILTON RIDGE DRIVE

PRESSURE SEWER LINE

Septic Tank

Duplex Grinder Pump

Public Tree Maintenance Easement

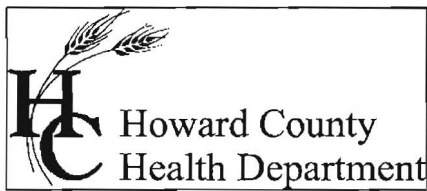
Public Sewer and Utility Easement 20'x20'

Handwritten notes:

- 10/16/06 Well site OK Staked by LDE

Dimensions and Setbacks:

- 95.72'
- 100' R
- 137.01'
- 100' R
- 10' BRL
- 276.08'
- 119.14'
- 121.70'
- 30' BRL
- 10' Min.
- 50' TYP.
- 7.50'
- 7.07'
- 6.00'
- 470'



Bureau of Environmental Health
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

March 24, 2010

Homeowner
12127 Fulton Ridge Drive
Fulton, MD 20759

Emailed to matt@shchomes.net

RE: Fulton Ridge, Lot 5
12127 Fulton Ridge Drive
BP# B09002196
Well Tag #: HO-95-0539

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 02/19/2010. Final approval of the well line connection to the dwelling was approved on 12/01/2009.**

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. The water sample results were found to be in compliance with COMAR water quality standards.

Gross Alpha and Beta samples were also collected on 12/04/2006. Both findings were below the maximum limit suggested by the EPA. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use and Occupancy.

Enclosed with this certificate, are copies of the septic permit and the septic as-built, along with important information regarding the use and maintenance of your septic system. Please read through carefully and thoroughly. Any questions regarding your well and/or septic, please call this office for guidance 410-313-1771.

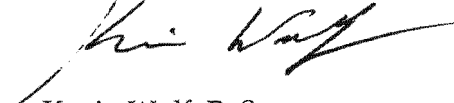
INTERIM CERTIFICATE OF POTABILITY

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-95-0539. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

Date of Water Samples: 03/11/2010
Date of Samples for Gross Alpha & Gross Beta: 12/04/2006
Date of Well Completion: 10/20/2006

Approving Authority,

A handwritten signature in black ink, appearing to read "Kevin Wolf", written over a horizontal line.

Kevin Wolf, R. S.
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File

Environmental Testing Lab Inc.

108 Old Solomons Island Rd
Annapolis, MD 21401



3430 Rockefeller Ct
Waldorf, MD 20602

State Certified Water Quality
Laboratory # 106

State Certified Water Quality
Laboratory # 139

Certificate of Analysis

Water Doctor-MD Water Cond.
10983-E Guilford Road
Annapolis Junction, MD 20701

Project
Date Received 03/12/10
Date Reported 03/23/10
Well Permit No. HO-95-0539

| Sample No: 87830-001 | Sampled: 03/11/10 14:26:00 | Sampler: RBabeman2246RS (Exp. 04/2010) | | | | | |
|---|----------------------------|--|------------|-----------|----|-----------|---------|
| Location: 12127 Fulton Ridge Rd Fulton, MD 20759 | | Preservation: Ice Sample Point: Pump Manifold | | | | | |
| Parameter | Method | Result | Qualifiers | Units | RL | Test Date | Analyst |
| Bacteria-Total Coliform | Colitag Test | Absent/Pass | | Per/100ml | 1 | 03/12/10 | DB |
| Bacteria-E.coli | Colitag Test | Absent/Pass | | Per/100ml | 1 | 03/12/10 | DB |

Field Test(s) for pH and/or chlorine are reported on the attached COC form. "NT" means Not Tested.

| Sample No: | 87830-002 | Sampled: | 03/11/10 14:26:00 | Sampler: | RBabeman2246RS (Exp. 04/2010) | | |
|------------------------|---|--------------|-------------------|---------------|-------------------------------|-----------|---------|
| Location: | 12127 Fulton Ridge Rd Fulton, MD 20759 | | | Preservation: | Ice | | |
| | | | | Sample Point: | Pump Manifold | | |
| Parameter | Method | Result | Qualifiers | Units | RL | Test Date | Analyst |
| Iron | HACH 8008 | Not Detected | | mg/l | 0.05 | 03/15/10 | PM |
| Turbidity | EPA 182.1 | Not Detected | | NTU | 0.5 | 03/15/10 | PM |
| Nitrate + Nitrite as N | EPA 353.2 | 8.4 | | mg/l | 1.1 | 03/15/10 | PM |
| pH | Field | 7.3 | | pH Units | 1 | | Sampler |
| Clarity | Visual | Clear | | | | 03/11/10 | |
| Sand | Visual | 0 | | g/L | | 03/11/10 | |

-The Maximum Contaminate Levels are as follows: Nitrate/Nitrite 10.0 mg/l, Nitrite 1.0 mg/l, Nitrate 10.0 mg/l, Iron 0.3 mg/l, Turbidity 10 NTU, and pH 6.5-8.5 pH units.

-An " * " next to a result means the result exceeded the Maximum Contaminate Level as established by the EPA.

-ND = Not Detected

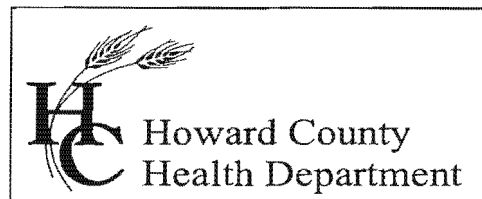
-Lead & Nitrates are "Primary Contaminates"; Health related, enforceable. Iron, pH, Turbidity are "Secondary Contaminates" Non-Health related, non-enforceable.

Annapolis

Ph 410-224-4304 Fax 410-224-4307

Waldorf

Ph 301-932-4775 Fax 301-932-7347



Bureau of Environmental Health
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

December 27, 2006

Fulton Ridge, LLC.
Attn; Harold Bernardzikowski
6339 Ten Oaks Road
Clarksville Maryland 21029

RE: Fulton Ridge, Lot 5
Well Tag: HO-95-0539

Dear Mr. Bernardzikowski:

A sample was collected from a yield test on December 4, 2006 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 1.0 ± 1.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 4.0 ± 2.0 pCi/L. The **Gross Alpha** result was below its maximum contaminant level (MCL) of 15 pCi/L, while the **Gross Beta** level was below its target value of 50 pCi/L (roughly equivalent to the annual dose rate of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use & Occupancy. However, other standard (potability) testing will still be necessary.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

Bert Nixon, Deputy Director
Bureau of Environmental Health

cc: Eric Dougherty, MDE Water Mgmt., Groundwater
✓ Well & Septic File

Send Report To:

State of Maryland

DHMH - Laboratories Administration

Division of Environmental Chemistry

RADIATION LABORATORY

201 W. Preston Street, Baltimore, Maryland 21201

John M. DeBoy, Dr. P.H., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: 401-15-0539 No. B: _____ Field Blank Bottle No. A: _____ No. B: _____

Plant/Site Name: Elton Ridge County: Howard

Sample Source: Lot 5 Location: 401-15-0539
(well no., lab sink, sample tap, etc.)

County: ☒ 1 ☒ 3 Plant No. ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

CHECK (one per box)

Drinking Water ☒
Landfill ☐
Stream ☐
Other ☐

Community ☐
Non-community ☐
Private ☐
Other ☐

Source (raw water) ☒
Distribution (treated) ☐
MCL ☐

Emergency ☐
Routine ☐
Recheck ☐
Special ☒

Collector: Kerrie Wolf Telephone No: 410-313-1773

Date Collected: 12/4/06 Time Collected: 9:35 a.m. _____ p.m.

Nitric Acid Preserved: Yes ☒ No ☐ Iced: Yes ☐ No ☒

Submitters Code: ☐ ☐ Federal Project: ☐ Field Data: _____

Remarks: Sample Taken @ Field Test pH _____ Chlorine _____

| ✓ | Test | EPA Code | Laboratory No. | Results (pCi/L) | Date Reported |
|---|-----------------------|----------|----------------|-----------------|---------------|
| ✓ | Gross Alpha | 4000 | 1076 | 1±1 | 12/8/06 |
| ✓ | Gross Beta | 4100 | 1076 | 4±2 | |
| | Radon-222 Bottle A | 4004 | | | |
| | Radon-222 Bottle B | 4004 | | | |
| | Field Blank A | 4004 | | | |
| | Field Blank B | 4004 | | | |
| | Tritium | | | | |
| | Ra - 226 | 4020 | | | |
| | Ra - 228 | 4030 | | | |
| | Total Uranium | 4006 | | | |
| | | | | | |
| | | | | | |

Date Received: 12/07/06

Supervisor: S. Wise