

C1 5212

SEQUENCE NO. (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

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Fulton Ridge LLC last name Scaggsville Road first name TOWN Fulton

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 entry for Overburden Gray Rock with water at 71' & 279'.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 10 NO. OF POUNDS 1000

CASING RECORD casing types insert appropriate code below [ST] [CO] [PL] [OT]

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot)

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

SCREEN RECORD screen type or open hole (insert appropriate code below) [ST] [BR] [HO] [PL] [OT]

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"

DRILLERS LIC. NO. M D 162 DRILLERS SIGNATURE LIC. NO. D 766

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

DEPTH (nearest ft.) 300 GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

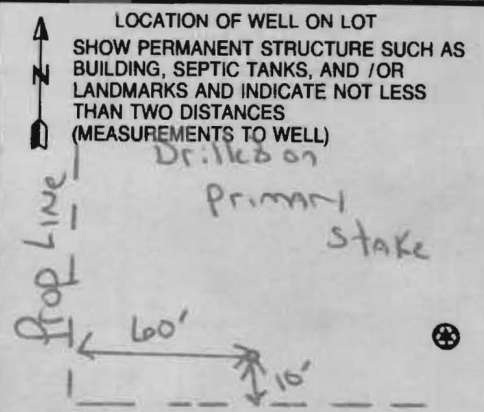
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 2.00 METHOD USED TO MEASURE PUMPING RATE Submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) YES [] NO [X]

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



Date Received (APA) _____
OWNER INFORMATION
 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 7 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 *[Signature]* Date **9/19/06**

B 4
 1 2
 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Scaggsville Road
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 34 **300** 37 DISTANCE FROM ROAD FT
 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.) 5
 8 750 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 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 COUNTY NAME **AS17386** COUNTY NO.
 STATE SIGNATURE _____ INSERT S →
 DATE ISSUED **10/16/06** CO SIGNATURE *[Signature]* EXP. DATE **10/16/07**
 43 MM DD YY 48
 NORTH GRID **465** 000 EAST GRID **019** 000
 50 55 57 63

APPROXIMATE DEPTH OF WELL 250 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 6 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 _____

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 8105
 N 4805
 000 000

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 DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

 N ↑

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROX. PERMIT NUMBER **1102006G015**
 PERMIT No. **110-95-0541**
 70 71 72 73 74 75 76 77 78 79

HARR WELL DRILLING

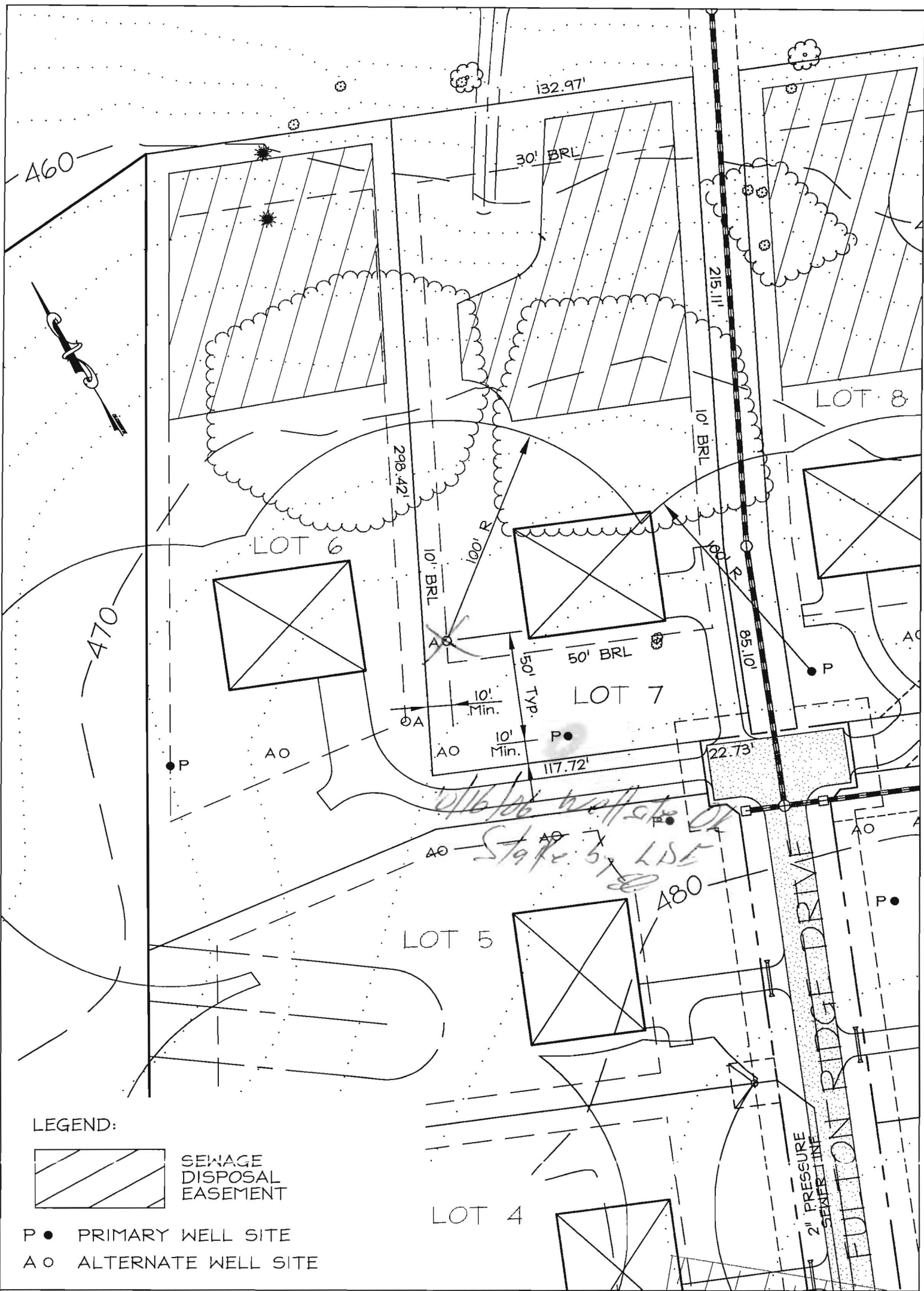
12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-252-4588

HOWARD COUNTY YIELD TEST REPORT

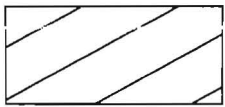
Date Test Performed: 11-16-06
Address: Scaggsville Road
Owner Name: Fulton Ridge
Well Depth: 300 Ft

Permit Number: HO-95-0541
Subdivision: Fulton Ridge L#7
Election District:
Static Water Level: 37 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 1gallon bucket	Calculated Flow-Gallons Per Minute
0945	37 ft		5 sec	12.00
1000	25		5	12.00
1015	25		5	12.00
1030	273		17	3.52
1045	273		30	2.00
1100	273		30	2.00
1115	273		30	2.00
1130	273		30	2.00
1145	273		30	2.00
1200	273		30	2.00
1215	273		30	2.00
1230	273		30	2.00
1245	273		30	2.00
1300	273		30	2.00
1315	273		30	2.00
1330	273		30	2.00
1345	273		30	2.00
1400	273		30	2.00
1415	273		30	2.00
1430	273		30	2.00
1445	273		30	2.00
1500	273		30	2.00
1515	273		30	2.00
1530	273		30	2.00
1545	273		30	2.00
1600	273		30	2.00



LEGEND:



SEWAGE
DISPOSAL
EASEMENT

P ● PRIMARY WELL SITE

A ○ ALTERNATE WELL SITE

EXHIBIT FOR WELL PERMIT
FULTON RIDGE
LOT 7

5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

DRAWN BY: G.D.W.

DATE:

SHEET:

CHECKED BY: B.D.B.

9/05/06

7 OF 14

SCALE:

1" = 50'

LDE JOB NO:

02-017.4

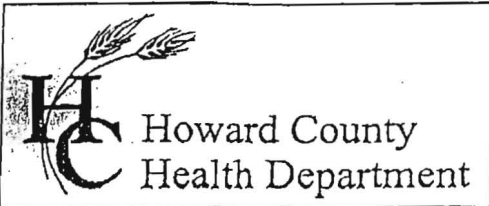
FILE NO:

LDE INC.

Planning/Engineering/Surveying

9250 Rumsey Road Suite 106/Columbia, Maryland/21045

(410)715-1070 (Balto.)/(301)596-3424(Wash.)/(410)715-9540 FAX



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



Howard County
Health Department

Bureau of Environmental Health
7178 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

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

September 2, 2010

Homeowner
12135 Fulton Ridge Drive
Fulton, MD 20759

RE: Fulton Ridge, Lot 7
12135 Fulton Ridge Drive
BP #: B09001221
Well Tag: HO-95-0541

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 05/13/2010. Final approval of the well line connection to the dwelling was approved on 05/13/2010.**

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 Gross Beta samples were collected on 12/04/2006. Results showed a Gross Alpha level was 3.0+- 1.0 pCi/L and Gross Beta level was 7.0+- 2.0 pCi/L. This is explained in more detail from the Radium letter issued 12/27/2006 for the aforementioned property.

Enclosed with this certificate, is a copy of the septic permit and the 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.

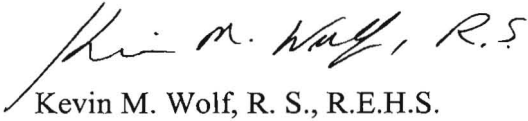
INTERIM CERTIFICATE OF POTABILITY

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-95-0541. 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: 06/18/2010
Date of Well Completion: 10/25/2006

Approving Authority,

A handwritten signature in black ink that reads "Kevin M. Wolf, R.S." with a stylized flourish at the end.

Kevin M. Wolf, R. S., R.E.H.S.
Well & Septic Program

cc: Building Inspector's Office
Community Hygiene Program
File



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

Maryland State Certified Laboratory # 318

CERTIFICATE OF ANALYSIS

Requester:
 Cumberland Development
 Attn: Kelly
 16391 A.E. Mullinix Road
 Woodbine, Maryland 21797

S/O Number: 77927
Report Date: June 21, 2010

Property Sampled: 12135 Fulton Ridge Drive

County: Howard
Subdivision: Fulton Ridge
Lot #: # 17
Building Permit #: Not Provided
Tax Map #: 41
Parcel #: 506

Date/Time Collected: June 18, 2010 at 10:40 am
Date/Time Received: June 18, 2010 at 11:50 am

Sample Location: Pressure Tank Tap
Sampler ID: 9813AM
Samples Iced: Yes
Residual Cl₂ <0.1 mg/L: Yes

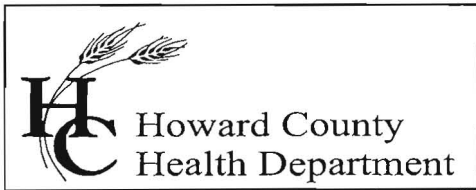
Well Tag Number: HO-95-0541
Well Condition: 2-Piece Cap
 Satisfactory

Water Conditioning/Treatment: Sediment Filter

PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	<1.0 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	1.6 NTU	EPA 180.1	10 NTU	Pass
pH	8.0 Units	EPA 150.1	*6.5-8.5 Units	***
Sand	Negative		Negative	
Total Coliform	Absent	SM 9223B	Absent	Pass
E.coli	Absent	SM 9223B	Absent	Pass

Kara Waltmyer
 Kara Waltmyer
 Drinking Water Testing Division

MCL=Maximum Contamination Level
 *SMCL=Secondary Maximum Contamination Level
 ***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.



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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 7
Well Tag: HO-95-0541

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 3.0 ± 1.0 picocuries/liter (pCi/L); while the **Gross Beta** level was 7.0 ± 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

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: _____ No. B: _____ Field Blank Bottle No. A: _____ No. B: _____

Plant/Site Name: _____ County: Howard

Sample Source: _____ Location: HC-5-0591
 (well no., lab sink, sample tap, etc.)

County: Plant No.

CHECK (one per box)

Drinking Water <input type="checkbox"/>	Community <input type="checkbox"/>	Source (raw water) <input type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input type="checkbox"/>
Stream <input type="checkbox"/>	Private <input type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Collector: John DeBoy Telephone No: 410-12-1733

Date Collected: 12/4/06 Time Collected: 11 a.m. _____ p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

Submitters Code: Federal Project: Field Data: _____

pH _____ Chlorine _____

Remarks: _____

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	1077	3±1	12/08/06
✓	Gross Beta	4100	1077	7±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. W. Wise