

C1 04439 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 13 AS10158

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 94 3586

OWNER Huber Leonardina Dr STREET OR RFD 4078 Roxbury Mill Road TOWN Glenwood SUBDIVISION SECTION LOT Manor House

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows: Red Clay (0-20), Wet Silty sand, gravel (20-45), Rock (45-300).

GROUTING RECORD form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (C, B), CEMENT (C), BENTONITE CLAY (B), NO. OF BAGS (15), NO. OF POUNDS (750), GALLONS OF WATER (105), DEPTH OF GROUT SEAL (0-45).

CASING RECORD form: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (45).

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD form: screen type or open hole (ST, BR, HO, PL, OT), insert appropriate code below.

PUMPING TEST form: HOURS PUMPED (3), PUMPING RATE (27), METHOD USED TO MEASURE PUMPING RATE (Meter), WATER LEVEL (distance from land surface) BEFORE PUMPING (32), WHEN PUMPING (22-25), TYPE OF PUMP USED (A, P, T, C, R, O, J, S).

PUMP INSTALLED form: DRILLER INSTALLED PUMP (YES), 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), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (circle appropriate box and enter casing height) above (49), below (2), LAND SURFACE (nearest foot).

NUMBER OF UNSUCCESSFUL WELLS: None WELL HYDROFRACTURED (Y, N)

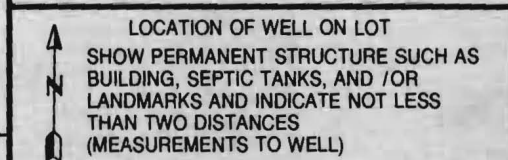
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL

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. 1 M D 336 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

DEPTH (nearest ft.) table with columns: 1-2, 8-9, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. SLOT SIZE 1, 2, 3. DIAMETER OF SCREEN (NEAREST INCH) 56, 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 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1	6585	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND <b>PERMIT TO DRILL WELL</b>	STATE PERMIT NUMBER <b>HO-94-3586</b>
1 3 6			W517360 please print or type	70 fill in this form completely 79

**OWNER INFORMATION**

Date Received (APA) \_\_\_\_\_

8 MM DD YY 13

Huber

15 Last Name Owner First Name 34

4078 Roxbury Mill Road

36 Street or RFD 55

Glenwood, MD 20833

57 Town 70 State 72 Zip 76

**LOCATION OF WELL**

B 3 Howard

8 COUNTY 21

23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

Glenwood

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 0 M I  
73 76 77 78

**DRILLER INFORMATION**

Michael W. Huber M W D 336

Driller's Name 76 License No. 81

CHESAPEAKE GEOSYSTEMS, INC.

Firm Name

6720 Ft. Smallwood Rd Balto., MD 21226

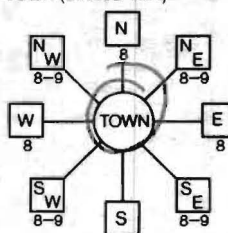
Address

Michael W. Huber 7/9/02

Signature Date

B 4


1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



4078 Roxbury Mills Road

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 700 37 DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: 21 BLK: 8 PARCEL 13

**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)

22  INDUSTRIAL, COMMERCIAL, DEWATERING

PUBLIC WATER SUPPLY WELL

TEST, OBSERVATION, MONITORING

GEO-THERMAL

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

Howard A 510158

COUNTY NAME COUNTY NO.

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

DATE ISSUED 11-25-02 Kacie Norman 11-25-02

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 520 0 0 0 EAST GRID 784 0 0 0

50 55 57 63

APPROXIMATE DEPTH OF WELL 150 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)**

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 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-94-3586

70 71 72 73 74 75 76 77 78 79

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

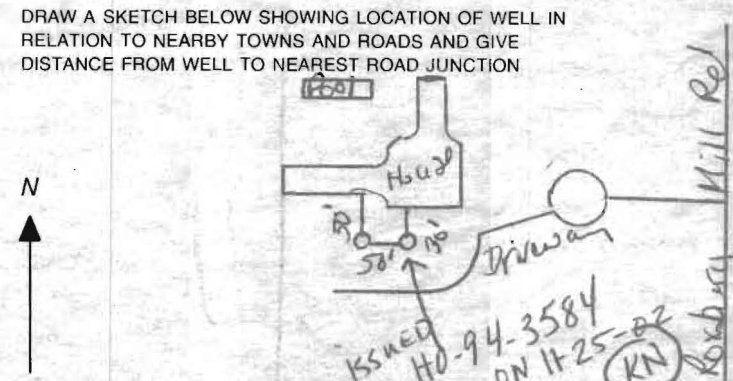
WRITE THE BOX NUMBER FROM THE MAP HERE

E 784 X

N 520

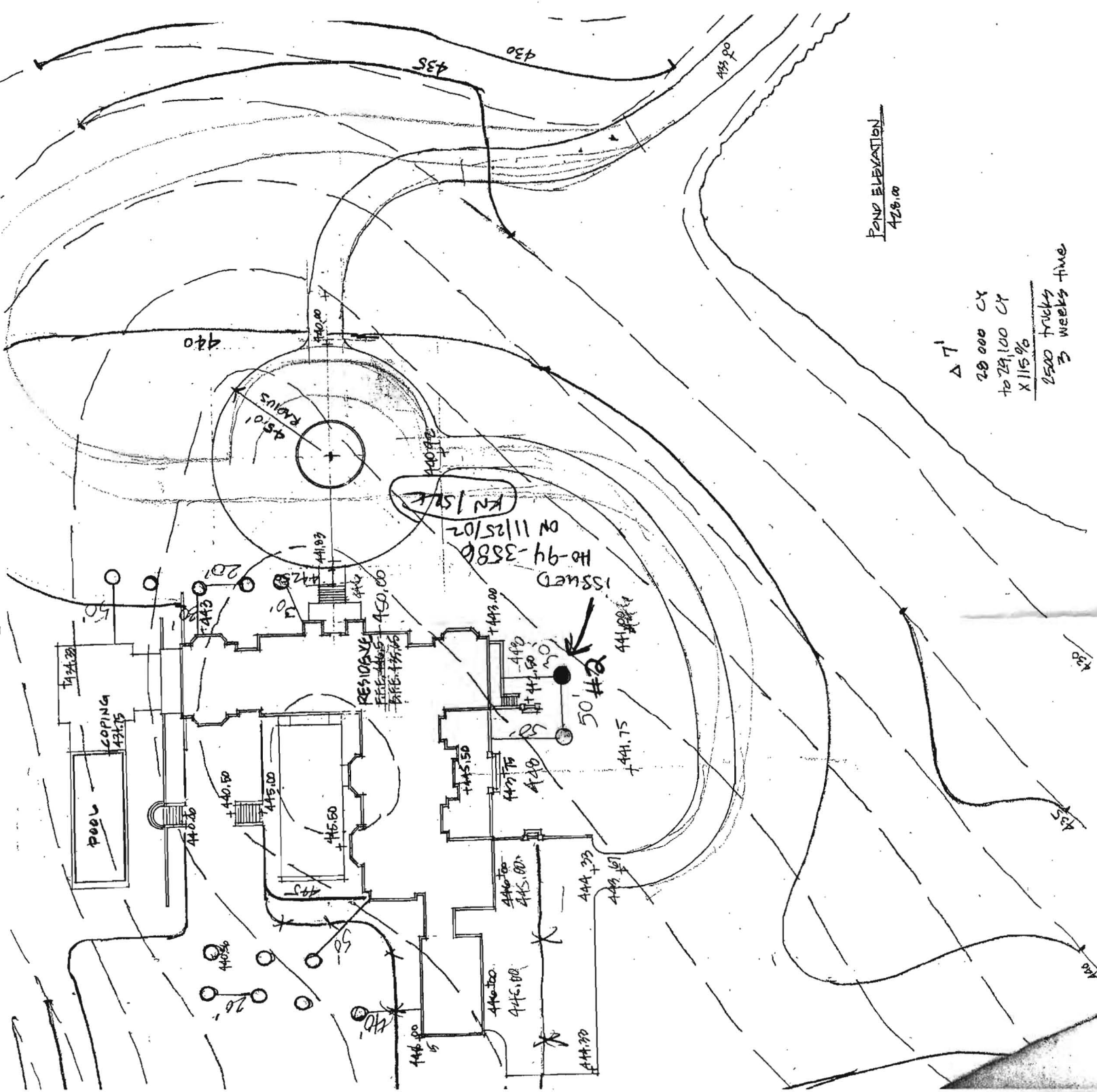
000 000

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



ISSUED HO-94-3584 ON 11-25-02 (KN)

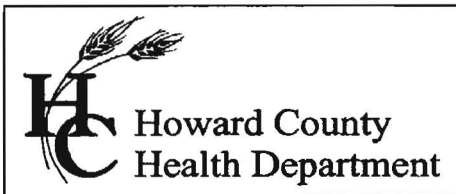
- Closed
- Geothermal Loop/Wells
- Domestic Water Wells



FIND ELEVATION  
428.00

Δ 7'  
20,000 CY  
to 29,100 CY  
X 115%  
2500 trucks  
3 weeks time





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*

March 14, 2008

Cattail Meadows, LLC  
P.O. Box 274  
Columbia, MD 21738

RE: 15325 Leodina Dr. (AKA-Roxbury Rd)  
Glenwood, MD 21738  
Map 21, Grid 14, Parcel13  
BP #: B00127242  
Well Permit # HO-~~95~~-3586(main house)  
HO-~~95~~-2917(back-up)  
HO-~~95~~-3441(irrigation)

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 3/1/2004. Final approval of the well line connection to the dwelling was approved on 5/14/2004.**

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.

#### 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~~-3586. 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: 5/14/04 & 3/7/08  
Date of Well Completion: 9/1/02, 2/1/01 & 9/1/02

Approving Authority,

Stuart F. Oster, R. S.  
Well & Septic Program

cc: Building Inspector's Office  
Community Health Services  
File

Gary Deptula 443-336-0869

# 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

## REPORT OF ANALYSIS

Mid Atlantic Water Services  
14 Hudson Street  
Annapolis, MD 21401

Lab Number: 76089  
Date Received: 3/7/08 16:27  
Project:

Sample No: 76089-01  
Client ID: 15325 Leondina Drive  
Glenwood, MD 21738

Sampled: 3/7/2008 10:00:00 AM  
Sampler: 6234PC Corridor

HO-94-3441

Sample Point: Irrigation

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Bacteria-Total Coliform	SM 9223	Present/FAIL	Per/100ml	1	3/7/2008	DB
Bacteria-E.coli	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
pH	field	7.0			3/7/2008	
Chlorine, Total	field	0	mg/l		3/7/2008	

Sample No: 76089-02  
Client ID: 15325 Leondina Drive  
Glenwood, MD 21738

Sampled: 3/7/2008 10:00:00 AM  
Sampler: 6234PC Corridor

HO-94-3586

Sample Point: Main House (# 4)

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Bacteria-Total Coliform	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
Bacteria-E.coli	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
pH	field	7.0			3/7/2008	
Chlorine, Total	field	0	mg/l		3/7/2008	

Sample No: 76089-03  
Client ID: 15325 Leondina Drive  
Glenwood, MD 21738

Sampled: 3/7/2008 10:00:00 AM  
Sampler: 6234PC Corridor

HO-94-3917

Sample Point: House (Back-Up)  
#2

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Bacteria-Total Coliform	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
Bacteria-E.coli	SM 9223	Absent/PASS	Per/100ml	1	3/7/2008	DB
pH	field	7.0			3/7/2008	
Chlorine, Total	field	0	mg/l		3/7/2008	

Annapolis

Waldorf

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

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

# 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*

## REPORT OF ANALYSIS

Lab Number: 76089  
Date Received: 3/7/08 16:27

Reviewed and Approved by:

A handwritten signature in black ink, appearing to read 'D. Brunsted', written over a horizontal line.

Daniel J. Brunsted  
Laboratory Director

# CHESAPEAKE

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## GEOSYSTEMS, INC.

6720 Ft. Smallwood Road  
Baltimore, MD 21228

410/789-5020  
800-252-4007  
410/789-5029 FAX  
August 28, 2002

Horizon Builders  
2131 Espy Court, Suite 3  
Crofton, MD 21114

Attention: Al Hato

Re: Huber Residence

Dear Mr. Hato,

Submitted here are the results of the pump tests performed at the Huber Residence in Howard County MD.

New Well No. 1

Static Water Level - 39.0/ft  
Pumping Water Level - 44.0/ft  
Pumping Rate - 37gpm

*HD-94-3441*

New Well No. 2

Static Water Level - 32.0/ft  
Pumping Water Level - 36.0/ft  
Pumping Rate - 27gpm

*HD-94-3586*

Existing Well No. MO942917

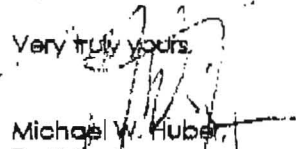
Static Water - 39.0/ft  
Pumping Water Level - 47.0/ft  
Pumping Rate - 25gpm

Existing Well No. MO942916

Static Water Level - 69.0/ft  
Pumping Water Level - 33.0/ft  
Pumping Rate - 25gpm

If you have any questions or need additional information please feel free to contact me.

Very truly yours,

  
Michael W. Huber  
President







# Environmental Testing Lab, Inc.

108 Old Solomons Island Road  
Unit L-2  
Annapolis, MD 21401

410-224-4304  
800-222-4633  
Fax 410-224-4307

## REPORT OF ANALYSIS

May 18, 2004

Mid Atlantic Plumbing  
1752 McQueckian Street  
Annapolis, MD 21401

Lab Number: 48873  
Date Received: 5/14/04 16:32  
Project:

*What Tag #?*

Sample No: 48873-01      Sampled: 5/14/2004  
Client ID: 4078 Roxbury Mills Rd.      Sampler: 5653SS  
Glenwood, Md 21738

Parameter	Method	Result	Units	MDL	Test Date	Analyst
Total Coliform Bacteria	SM 9223 B	Absent/Pass	Per/100ml	1	5/14/2004	DB
Fecal Coliform Bacteria	SM 9223 B	Absent/Pass	Per/100ml	1	5/14/2004	DB
pH	Field	* 6.2	pH Units		5/14/2004	
Iron	EPA 236.1	< 0.05	mg/l	0.05	5/17/2004	KE
Turbidity	EPA 180.1	< 0.5	NTU	0.5	5/17/2004	KE
Nitrate + Nitrite as N	EPA 353.2	4.15	mg/l	0.05	5/17/2004	PM

**Notes:**

- 48873-01 -No chlorine was present at the time of collection as reported by the sample collector. PH results provided by sample collector.
- The Maximum Contaminant Levels are as follows: Nitrate/Nitrite 10.0, Nitrite 1.0, Nitrate 10.0, Iron 0.3, Turbidity 10.0, and PH 6.5-8.5.
- An "\*" next to a result means the result exceeded the Maximum Contaminant Level as established by the EPA.
- "<" = Less Than ; ">" = Greater Than.
- Lead & Nitrate/Nitrite are "Primary Contaminates"; Health related, enforceable.
- Iron, pH, Turbidity are "Secondary Contaminates" Non-Health related, non-enforceable.

Reviewed and Approved by:

*[Signature]*  
Daniel J. Brunsted  
Laboratory Director

