

C1 22330

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well 22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-14-0160

OWNER: Mildenberg Brender & Assoc. WELL SITE ADDRESS: Greenberry TOWN: Clarksville SUBDIVISION: Greenberry SECTION: LOT: 14

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Light Brown to Dark Loamy, Grey Schist, Brown, Grey Schist, White, Grey Schist.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS: 26, NO. OF POUNDS: 2114, DEPTH OF GROUT SEAL: 37 ft.

CASING RECORD: MAIN CASING TYPE: PL, Nominal diameter: 08, Total depth: 60.

OTHER CASING (if used) table with columns: diameter, depth.

SCREEN RECORD: screen type or open hole: HO, insert appropriate code below.

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED: Y

CIRCLE APPROPRIATE LETTER: A, E, P

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04

DRILLERS LIC. NO.: MS D009, DRILLERS SIGNATURE, LIC. NO.: D

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

DEPTH (nearest ft.): 400, SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN: 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, W, Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST: HOURS PUMPED: 03, PUMPING RATE: 5, METHOD USED TO MEASURE PUMPING RATE: 1000, WATER LEVEL: 43, BEFORE PUMPING: 17, WHEN PUMPING: 22, TYPE OF PUMP USED: S

PUMP INSTALLED: DRILLER INSTALLED PUMP: YES, TYPE OF PUMP INSTALLED: 29, CAPACITY: 31, PUMP HORSE POWER: 37, PUMP COLUMN LENGTH: 43, CASING HEIGHT: +, LAND SURFACE: 01

LATITUDE 39.2325630, LONGITUDE 76.9202947 (DEFAULT COORD. WGS 84)

NOTES: 26 bags = 4.6 bags/10 ft. 5.7

B 1 20738
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

555320 M please type

HO - 14 - 0160
70 fill in this form completely 79

Date Received (APA)
11/18/14

OWNER INFORMATION

8 MM DD YY 13
15 Last Name 34 Owner First Name
Mildenberg Brender + Assoc.
36 Street or RFD 55
7350-B Grace Dr
57 Town 70 State 72 Zip 76
Columbia, Md 21044

B 3

LOCATION OF WELL

8 COUNTY 21
Howard
23 SUBDIVISION 42
Greenberry
SECTION 44 46 LOT 48 50
14
Clarksville
52 NEAREST TOWN 71

DRILLER INFORMATION

Driller's Name 76 License No. 81
Allen Compton M S D 009
Firm Name
Fogles Well Drilling, LLC
Address
P.O. Box 202 Woodbine, Md 20797
Signature Date
Allen Compton 11-18-14

B 4

SOURCES OF DRILLING WATER

- 1.
- 2.
- 3.

Greenberry Lane
11 STREET ADDRESS 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH N
WEST W SOUTH S EAST E
34 500 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 0228 BLK: _____ PARCEL _____

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE 5
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 500
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- OPEN LOOP GEOTHERMAL
- CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) A537374
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S → 41
DATE ISSUED 12/10/14
43 MM DD YY 48 CO SIGNATURE EXP. DATE
Sal. LLC 12/10/15

APPROXIMATE DEPTH OF WELL 400 FEET
24 28

APPROXIMATE DIAMETER OF WELL 8 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
- 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

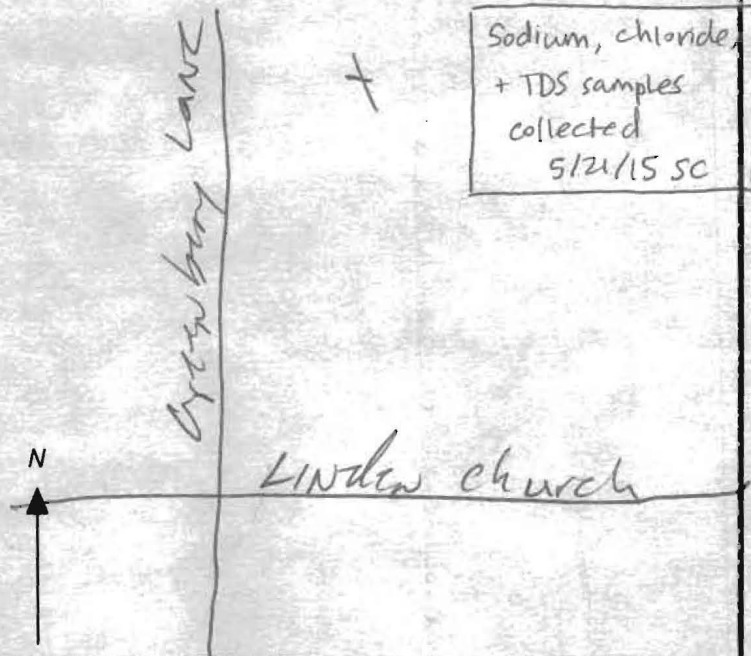
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

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

APPROX. PERMIT NUMBER 102014G003

PERMIT No. HO - 14 - 0160
70 71 72 73 74 75 76 77 78 79

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



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

SEE ATTACHED MEMO

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648**

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: Robert L. Feezer Co. Telephone #: 410-781-4655
Address: 6321 Barnett Avenue
Sykesville, MD 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Joshua Henricks License# PI0173

***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. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.**

Name of Property Owner: NV Homes Telephone #: 410-379-5956
Subdivision: Greenberry Lot #: 14 Well Tag #: HO - 14 - 0160 ✓
Site Address: 11901 Northern Bell way
Clarksville, MD 21029

Submersible Pump Data

Make: Berkeley
Model #: B7P4MS07221
Pump Capacity 7 GPM
Well Yield: 5.0 GPM

Pitless Adapter

Make: Boshart
Model#: P-100-SS
Depth: 42" (36" min)
NSF/WSC approved: Yes

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 400 (feet) Conduit secured to well cap: Yes

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 N/A

Piping to house

Type: Poly
PSI: 200 (160 psi min)
Depth of supply line: 42" (36" min)

House Connection

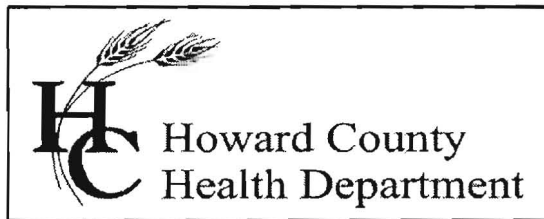
PVC sleeve to undisturbed soil at wall penetration: Yes
Length of sleeve(5' minimum from foundation): 10'
Sleeve sealed properly: Yes

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.

Joshua Henricks Signature of company representative responsible for installation
November 17, 2015 date

For Health Department Use Only – Not to be completed by Installer

Date Insp. Requested: 11/30/15 Date Insp. Approved: 11/30/15 Inspector: RR
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 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 grout observed below pitless adapter ✓



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21045
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., Health Officer

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JUNE 29, 2016

December 29, 2015

Homeowner
11901 Northern Bell Way
Clarksville, MD 21029

RE: Greenberry, Lot 14
11901 Northern Bell Way
Building Permit: B15003437
Well Permit: HO-14-0160

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 **12/28/2015**. Final approval of the well line connection to the dwelling was granted on **11/30/2015**. The well construction was completed on **5/18/2015**. Water samples were collected on **12/16/2015**.

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-14-0160. 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>

In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Best Available Technology (BAT). You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your BAT.

Approving Authority,



Kevin M. Wolf, L.E.H.S., Supervisor
Groundwater Management Section
Well & Septic Program

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

Water Testing Laboratories

P.O. Box 712
Stevensville, MD 21666
410-643-7711

of Maryland, Inc.

N V Homes
C/O Robert Feezer Co.
6321 Barnett Avenue
Sykesville, Md 21784

Reporting Date: 12/17/2015
Report #: M3606

Submitted Sample Address: 11901 Northern Bell Way
Clarksville, MD
Submitted Sample Source: Holding tank -no devices on system & well cap intact
Date / Time Collected: 12/16/2015 10:35 AM
Sample Type: Drinking Water
Sampler/Company: K. Lee 4827KL, WTL of MD
Field Record: Chlorine residual: Absent Clear when drawn
Well Tag #: HO-14-0160

Analytical Results

Parameter	Result	Units	Report Limit	Standard	Standard Type
Total Coliform Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
<i>E. Coli</i> Bacteria	Absent	Coliforms/100 ml	Present/Absent	Absent	EPA Primary MCL
Nitrate as N	0.5	mg/L	0.5	10	EPA Primary MCL
Sand	Absent	mg/L or Absent	mg/L or Absent	< 5 mg/L*	MD Well Reg.
Turbidity	0.8	NTU	0.5	< 10 NTU*	MD Well Reg.


Notes:

- Bacteriological analysis of this sample indicates this water is safe for human consumption.
- Results in **BOLD** exceed the MCL, Action Level or MD well regulation.
- Samples received and examined within EPA's recommended holding times.
- MCL - Maximum Contaminant Level
- ND - Not Detected.
- * Sand and turbidity standard for new wells - See Code of Maryland Regulations (COMAR) 26.04.04.16E(5). If sand is present, it is analyzed to determine amount of sand in mg/L.
- MCL Type -
EPA Primary: The maximum contaminant level which is the highest level of contaminant that is allowed in drinking water. Primary MCLs are enforceable standards.
EPA Secondary: Non enforceable guidelines regulating contaminants that cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste or odor) in drinking water.
Action Level: Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
- We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency and the Maryland Department of the Environment.

Reported by,



C. Rodgers, Assistant Lab Manager, Microbiology

Reviewed by: 



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

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

TO ALL INTERESTED PARTIES

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

Well Site Location:

GREENBERRY 14 NORTHERN BELL WAY
Subdivision/Property Name Lot # Road Name

The well site, as shown on the attached well site plan, has been staked by
MILDENBERG, BENDER & ASSOC. INC.
(professional land surveyor or company employing professional land surveyors)
on MARCH 21, 2015 (date).

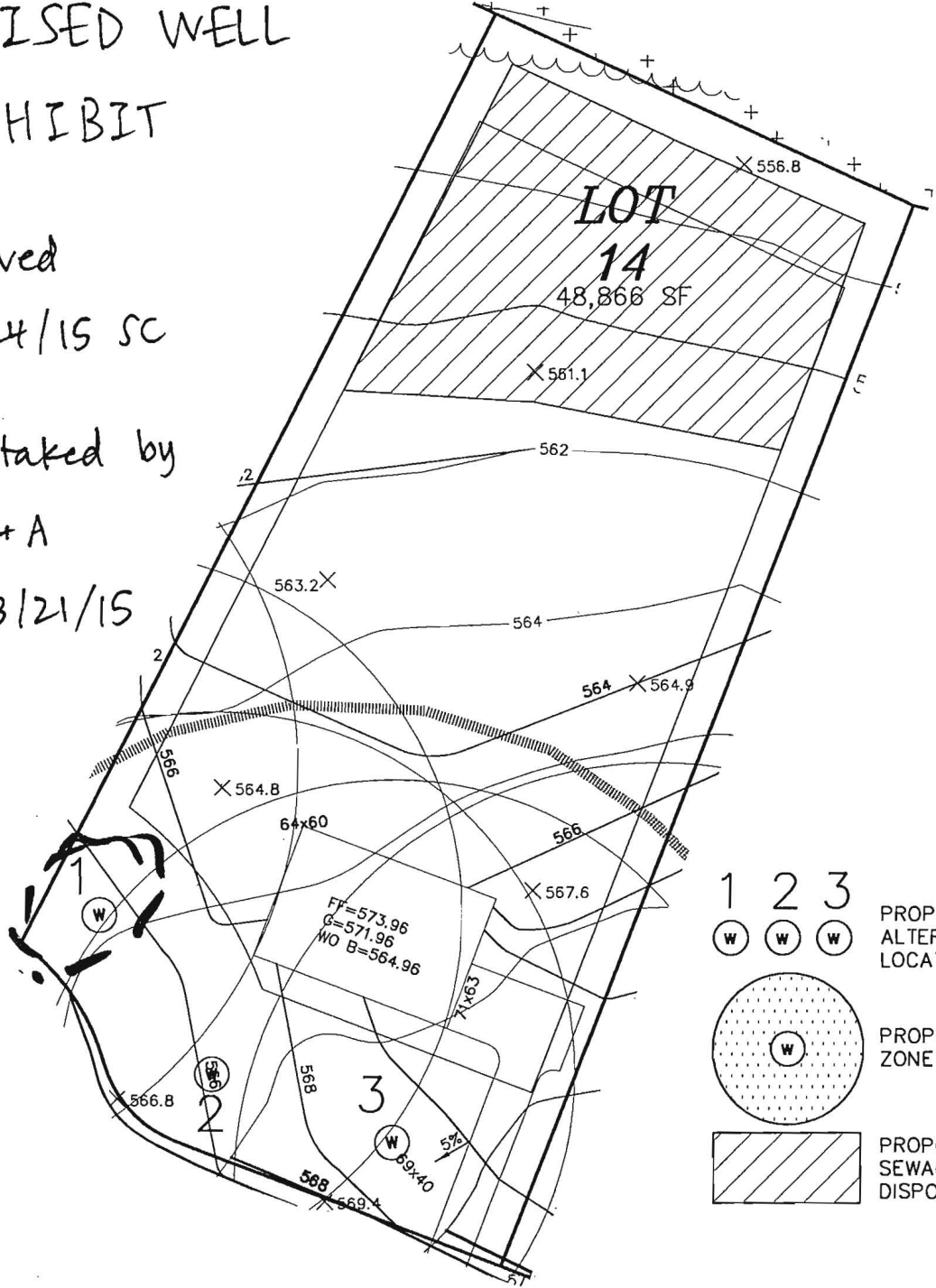
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.


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

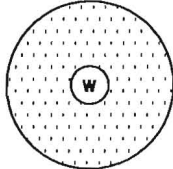
REVISED WELL EXHIBIT


Approved
3/24/15 SC

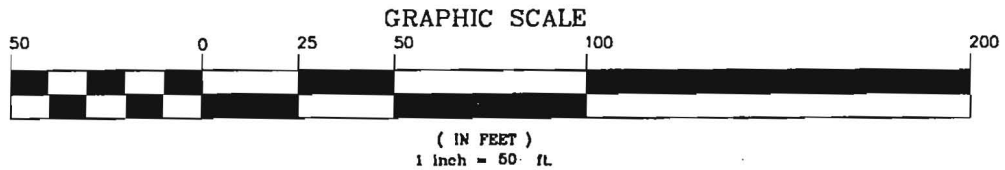
Site staked by
MB+A
3/21/15



1 2 3

 PROPOSED WELL ALTERNATIVE LOCATIONS


 PROPOSED WELL ZONE


 PROPOSED SEWAGE DISPOSAL AREA



F:\2004\12-022 Greenberry\DWG\FINAL\14-095_Well Exhibits

GREENBERRY WELL EXHIBIT - LOT 14

5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1"=50' DRAWN BY: JLS DATE: NOV 2014 PN:12-022

MILDENBERG BOENDER, & ASSOC., INC.

Engineers Planners Surveyors
7350-B Grace Drive, Columbia, Maryland 21044
(410) 997-0296 Balt. (410) 997-0298 Fax.

Water Testing Laboratories

P.O. Box 712
Stevensville, MD 21666
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Action Level: Defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.
- We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the US Environmental Protection Agency and the Maryland Department of the Environment.

Reported by,



C. Rodgers, Assistant Lab Manager, Microbiology

Reviewed by: 

MD DHMH Laboratories Administration
1770 Ashland Avenue
Baltimore City, MD 21205


Lab No. Date Received

Send Report To: BERT NIXON

Howard Co. Health Dept.
Bureau of Environmental Health
8930 Stanford Blvd.

Columbia, MD 21045

Division of Environmental Chemistry
ENVIRONMENTAL METALS SECTION
201 W. Preston Street, Baltimore, Maryland 21201 *2-5/21/15*



E15003647001
Received: 05/21/2015
Metals HO-14-0160
Do not write above this line

LABORATORY ANALYSIS REQUEST
Please Print

Sample ID No: HO-14-0160 Site Name: Greenberry Lot 14 County: Howard

Sample Source: Greenberry Ln. Dayton Collector: S. Collins
Street Town or City Name

Date Collected: 5 / 21 / 2015 Time Collected: 10:30 a.m. _____ p.m. Phone #: 410-313-6287

Sample Preserved By: Field ESRL Central Lab

Preservative Used: HNO₃ pH < 2, SHS, 5-21-15

Sample Type:

<input checked="" type="checkbox"/> Drinking Water	<input type="checkbox"/> Landfill	<input checked="" type="checkbox"/> Source (Raw Water)	<input type="checkbox"/> Liquid
<input type="checkbox"/> Community	<input type="checkbox"/> Stream	<input type="checkbox"/> Distribution (Treated)	<input type="checkbox"/> Solid
<input type="checkbox"/> Non-Community	<input type="checkbox"/> Sediment	<input type="checkbox"/> Other _____	
<input checked="" type="checkbox"/> Private			

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

Remarks: Sample taken during yield test

✓	Element	Results (ppm)	✓	Element	Results (ppm)
	Antimony (Sb)			Copper (Cu)	
	Arsenic (As)			Lead (Pb)	
	Barium (Ba)			Silver (Ag)	
	Beryllium (Be)			Zinc (Zn)	
	Cadmium (Cd)			Aluminum (Al)	
	Chromium (Cr)			Iron (Fe)	
	Mercury (Hg)			Manganese (Mn)	
	Nickel (Ni)			Calcium (Ca)	
	Selenium (Se)			Magnesium (Mg)	
✓	Sodium (Na) <i>hm</i>			Potassium (K)	
	Thallium (Tl)			Uranium (U)	

Lab Supervisor: _____

Date Reported: / /

•Phone: (410) 767-6186 •Fax: (410) 333-5122

DHMH 4432 (7/10)

SUBMITTER'S COPY



State of Maryland
 DHMH-Laboratories Administration
 Division of Environmental Chemistry
INORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue, Baltimore, Maryland 21205
 Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
 8930 STANFORD BLVD
 COLUMBIA, MD 21045

Lab Project NoE15003643 Date Coll. 05/21/2015 Date Received 05/21/2015 Submitted By: S. Collins

Field ID: HO-14-0160
 Lab No.: E15003643001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	<10	mg/L	05/26/2015
Total Dissolved Solids	SM 2540C	60	mg/L	05/29/2015

Comments:

Approved by: *Shahida Qasbi*

Approval date: 06/02/2015

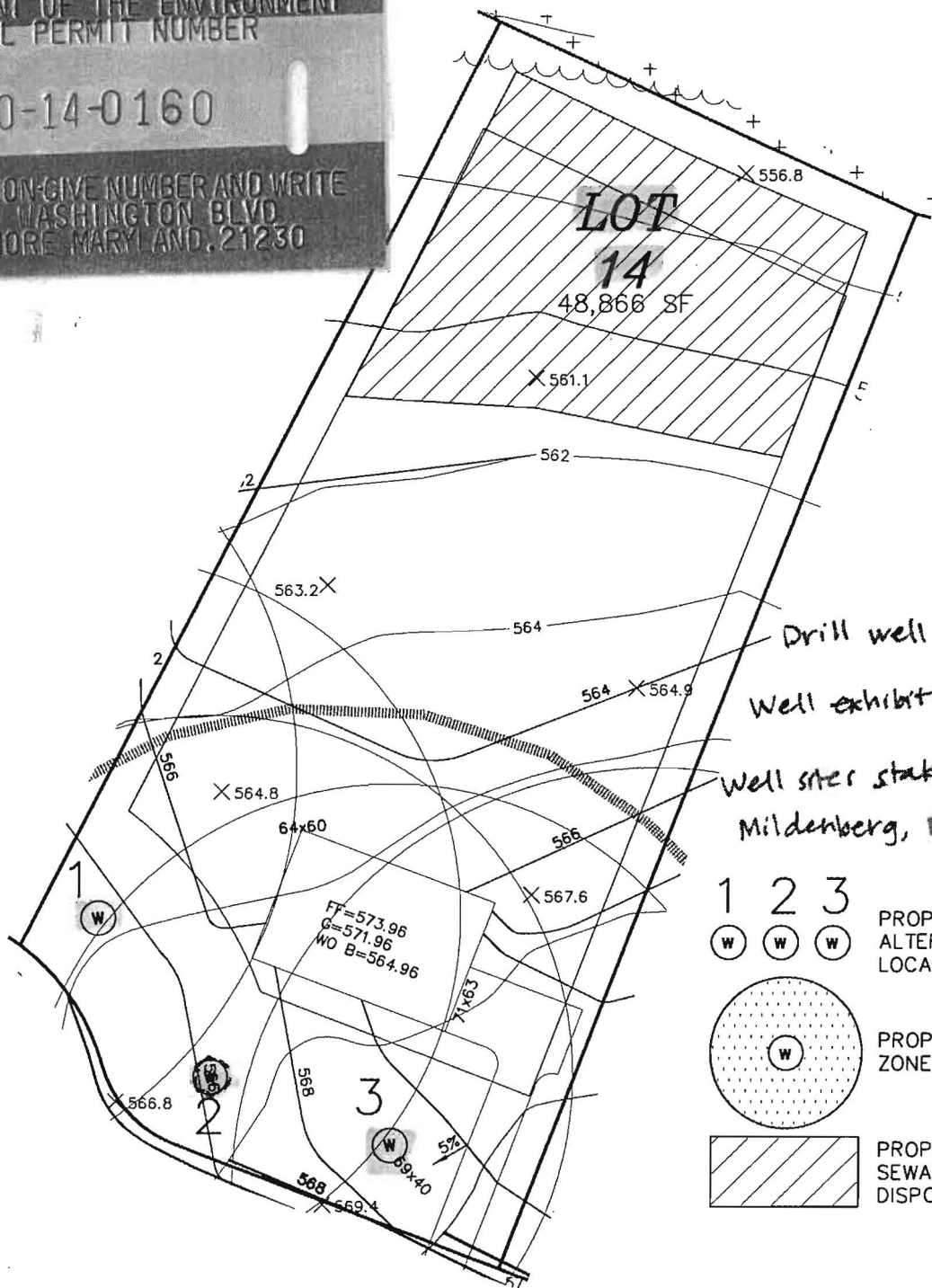
*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6190 and arrange for return or destruction.

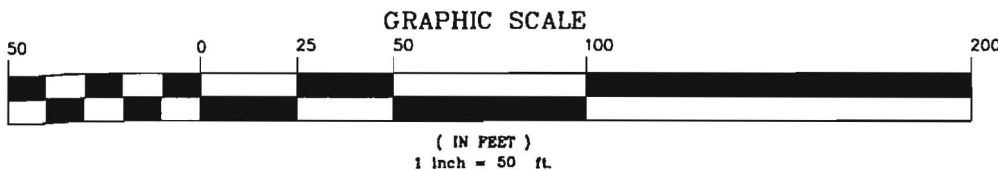
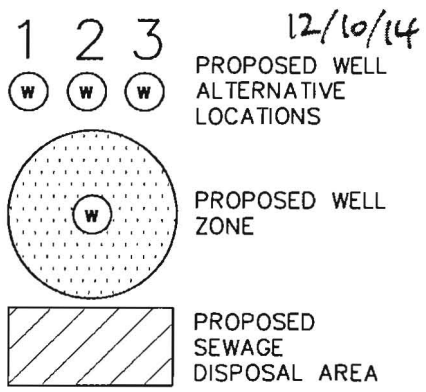
DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

HO-14-0160

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE, MARYLAND, 21230



Drill well site #2 first
Well exhibit approved (Sc)
Well sites staked by
Mildenberg, Boender + Assoc.



P:\2004\12-022 Greenberry\DWG\FINAL\F-14-095_Well Exhibits

GREENBERRY
WELL EXHIBIT - LOT 14

5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1"=50' DRAWN BY: JLS DATE: NOV 2014 PN: 12-022

**MILDENBERG
BOENDER, & ASSOC., INC.**

Engineers Planners Surveyors
7350-B Grace Drive, Columbia, Maryland 21044
(410) 997-0296 Balt. (410) 997-0298 Fax.

