

C1 7229

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)

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Lecky CO. STREET OR RFD: Woodstock rd. TOWN: Woodstock SUBDIVISION: Myrtle Prv. SECTION: LOT: 22

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (B) NO. OF BAGS 14 NO. OF POUNDS 136 GALLONS OF WATER 84 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 39 ft.

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 03 PUMPING RATE (gal. per min.) 7.5 METHOD USED TO MEASURE PUMPING RATE 196L WATER LEVEL (distance from land surface) BEFORE PUMPING 21 ft. WHEN PUMPING 68 ft. TYPE OF PUMP USED (for test) S submersible

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. Rows: Brown Shale (0-25), Gray Limestone (25-325)

CASING RECORD casing types insert appropriate code below (S) (C) (P) (O)

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) PL 06 32

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

SCREEN RECORD screen type or open hole (S) (B) (H) (P) (O)

NUMBER OF UNSUCCESSFUL WELLS: 0

DEPTH (nearest ft.)

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" 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 SD 009 DRILLERS SIGNATURE

LIC. NO. 1 D

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 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMP INSTALLED DRILLER INSTALLED PUMP (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 LAND SURFACE (-) below 01 (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)

NO survey stakes



B 1 4355

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 526657

STATE PERMIT NUMBER

Ho-95-1218 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13 Kccity Company 15 Last Name Owner First Name 34 P.O. Box 528 36 Street or RFD 55 Timonium md 21094 57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

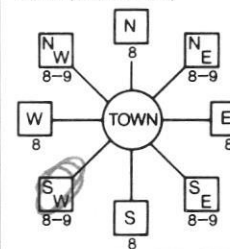
8 COUNTY Howard 21 Myrtus Property 23 SUBDIVISION 42 SECTION 44 46 LOT 22 48 50 Woodstock 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 2 73 76 77 78

DRILLER INFORMATION

Allen Compton MSD 009 76 Driller's Name License No. 81 Fogles Well Drilling Firm Name 580 Obrecht rd. Address All G 4-14-07 Signature Date

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Woodstock rd. 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W EAST E SOUTH S 34 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 10 BLK: 24 PARCEL 225

B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 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 13 A 518006-m COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 8/14/07 CO SIGNATURE Phil Wolf 8/14/07 EXP. DATE NORTH GRID 541 000 EAST GRID 0837 000

APPROXIMATE DEPTH OF WELL 300 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 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 other

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

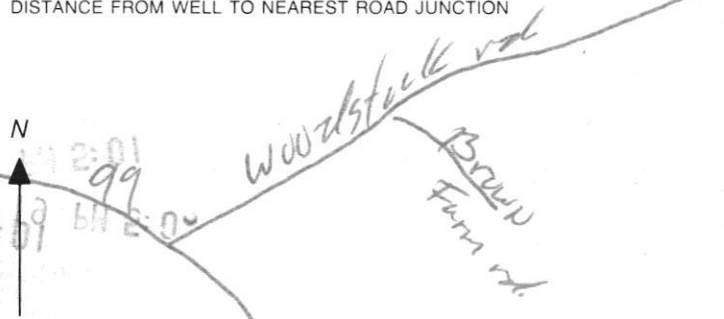
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. 2. 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 8307 N 5401

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



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

APPROP. PERMIT NUMBER Ho 2006G 018 PERMIT No. Ho-95-1218 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS NEED RADIUM SAMPLE PER HEALTH DEPT.

APPROVED BY: [Signature]  
DATE: 03/27/18  
PERMIT NUMBER: [Blank]

OWNER INFORMATION  
Kroft's Company  
P.O. Box 258  
Timonium, MD 21093

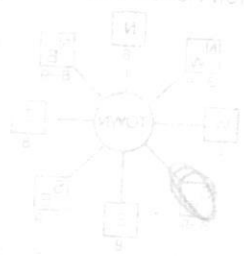
WELL INFORMATION  
WELL NUMBER: 200  
WELL DEPTH: 200  
WELL TYPE: [Blank]

USE FOR WELL: [Blank]  
DOMESTIC WATER SUPPLY  
IRRIGATION  
THERMAL WATER  
INDUSTRIAL PROCESSING  
OTHER: [Blank]

METHOD OF INSTALLATION  
[Blank]

REPLACEMENT OF EXISTING WELLS  
[Blank]

NOT TO BE FILLED IN BY DRILLER, USE FOR CONTRACTOR USE ONLY  
2007 AP 19 PM 5:09  
HARD COUNTY ENVIRONMENTAL HEALTH DEPARTMENT  
HO 20060218  
HO 201518  
NEED RWD...  
EQUIPMENT



Handwritten notes and signatures on the left side of the page, including 'Howard', 'Woodstock', '10-24-18', and '14-18-000-11'. There are also several circled numbers and dates like '3/14/17' and '3/14/18'.



**MICHAEL BARLOW WELL DRILLING & SERVICE, INC.**  
**522 Underwood Lane**      **Bel Air, Maryland 21014**  
**(410) 838-6910**      **Fax (410) 838-3582**

**WELL YIELD REPORT**

Date Test Completed:	June 8, 2018		
Well Depth:	500	feet	
Customer	Land Design & Development	Permit #	H0-17-0238
Road	Triadelphia Mill Rd	Subdivision	Jacks Landing
City	Highland	Section	
State	Maryland	Lot #	6

Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
10:00 AM	45	4	15.00
10:15 AM	171	5	12.00
10:30 AM	230	20	3.00
10:45 AM	230	20	3.00
11:00 AM	230	20	3.00
11:15 AM	230	20	3.00
11:30 AM	230	20	3.00
11:45 AM	230	20	3.00
12:00 PM	230	20	3.00
12:15 PM	229	20	3.00
12:30 PM	229	20	3.00
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2:45 PM	228	20	3.00
3:00 PM	228	20	3.00
3:15 PM	228	20	3.00
3:30 PM	228	20	3.00
3:45 PM	228	20	3.00
4:00 PM	228	20	3.00
4:15 PM	228	20	3.00
4:30 PM	228	20	3.00

This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.



**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: Barlow Well Drilling Telephone #: 410-838-6910  
Address: 522 UNDERWOOD LANE  
BEL AIR, MD 21014

(Must circle one) Licensed Plumber  Licensed Well Driller  Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Michael Isom License# MSD162

**\*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: Keystone Homes Telephone #: \_\_\_\_\_  
Subdivision: MAJESTIC PROPERTY Lot #: 22 Well Tag #: HO-95-1218 (S)  
Site Address: 1845 DAVIS BRANCH RD  
WOODSTOCK MD 21163

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>Starite</u>	Make: <u>BFI</u>	Two piece watertight cap: _____
Model #: <u>3/4 HP</u>	Model#: <u>P100</u>	Screened, vented well cap: _____
Pump Capacity <u>7</u> GPM	Depth: <u>36</u> (36" min)	Cap secured to casing: _____
Well Yield: <u>8</u> GPM	NSF/WSC approved: _____	Conduit min 18" B.G.: _____
Depth of well encountered at time of pump installation: <u>325</u> (feet)	Conduit secured to well cap: _____	

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

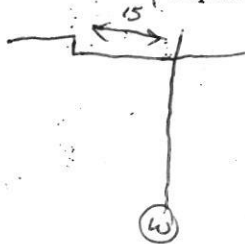
<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: _____
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>6'</u>
Depth of supply line: <u>36</u> (36" min)	Sleeve sealed properly: <u>yes</u>

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: 5/25/2022

**For Health Department Use Only - Not to be completed by Installer**

Date Insp. Requested: 5/27/22 Date Insp. Approved: 5/27/22 Inspector: (S)  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade  36"  
Two piece cap installed and attached to casing securely   
Elec. conduit extends at least 18" below grade/attached to cap properly  22"  
Safety rope not outside of well cap/casing   
Correct well tag attached properly and casing 8" above finished grade  9"  
Water supply line sleeved adequately at house connection  14"  
Adequate grout observed below pitless adapter



## INTERIM CERTIFICATE OF POTABILITY

Expiration Date – MAY 21, 2023

November 21, 2022

Homeowner  
1945 Davis Branch Road  
Woodstock, MD 21163

**RE: Marriotts Ridge, Lot 22**  
**1945 Davis Branch Road**  
**Building Permit: B21004025**  
**Well Permit: HO-95-1218**

Dear Homeowner:

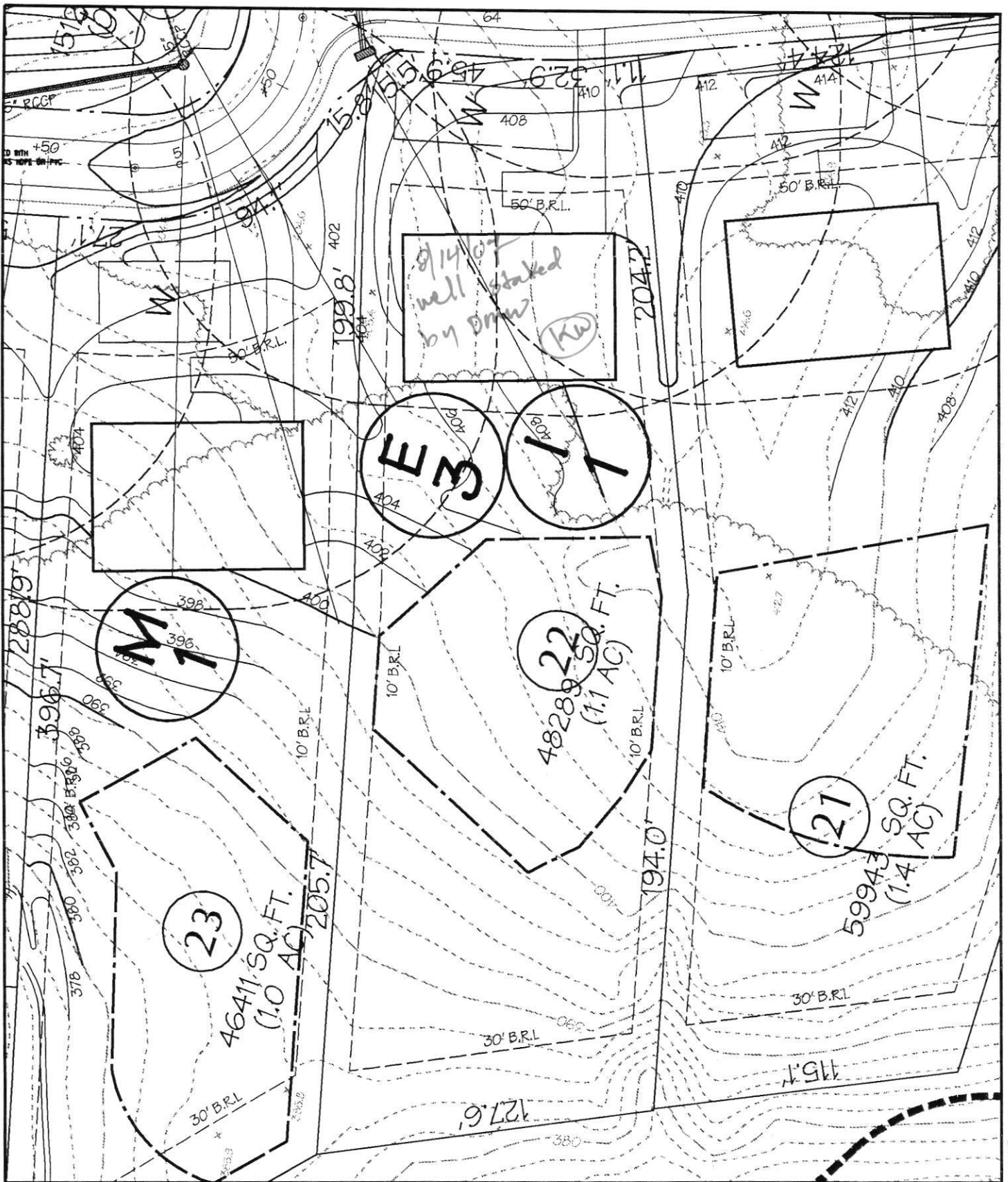
This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **8/2/2022**. Final approval of the well line connection to the dwelling was granted on **5/27/2022**. The well construction was completed on **9/11/2007**. Water samples were collected on **11/3/2022**.

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.

Gross Alpha and Beta samples were also collected on **9/11/2007**. Results showed a Gross Alpha level of **6.0 ± 2.0 pCi/L** and **Gross Beta** level of **7.0 ± 2.0 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

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-95-1218. 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.**



MYRTUE PROPERTY

LOT 22



Daft-McCune-Walker, Inc.  
 200 East Pennsylvania Avenue  
 Towson, Maryland 21286  
 (410) 296-3333  
 Fax 296-4705

A Team of Land Planners,  
 Landscape Architects,  
 Engineers, Surveyors &  
 Environmental Professionals

Job No. 02033    Scale: 1"=50'    Date: 04/16/07    Drawn By: MDT

m:\02033\Lot Wells\Lot22.dgn



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

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality 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” for understanding your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which elaborates in further detail operation and maintenance of your Septic System.

Approving Authority,



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

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

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 DaFT-McCune Walker on \_\_\_\_\_ 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

Engineer stated well box is  
Staked on corners

Martine Prof. Lots 1-31

# FOGLE'S WELL DRILLING & PUMP SERVICE'S

580 OBRECHT RD  
 Sykesville, Md 21784  
 (410)795-5670

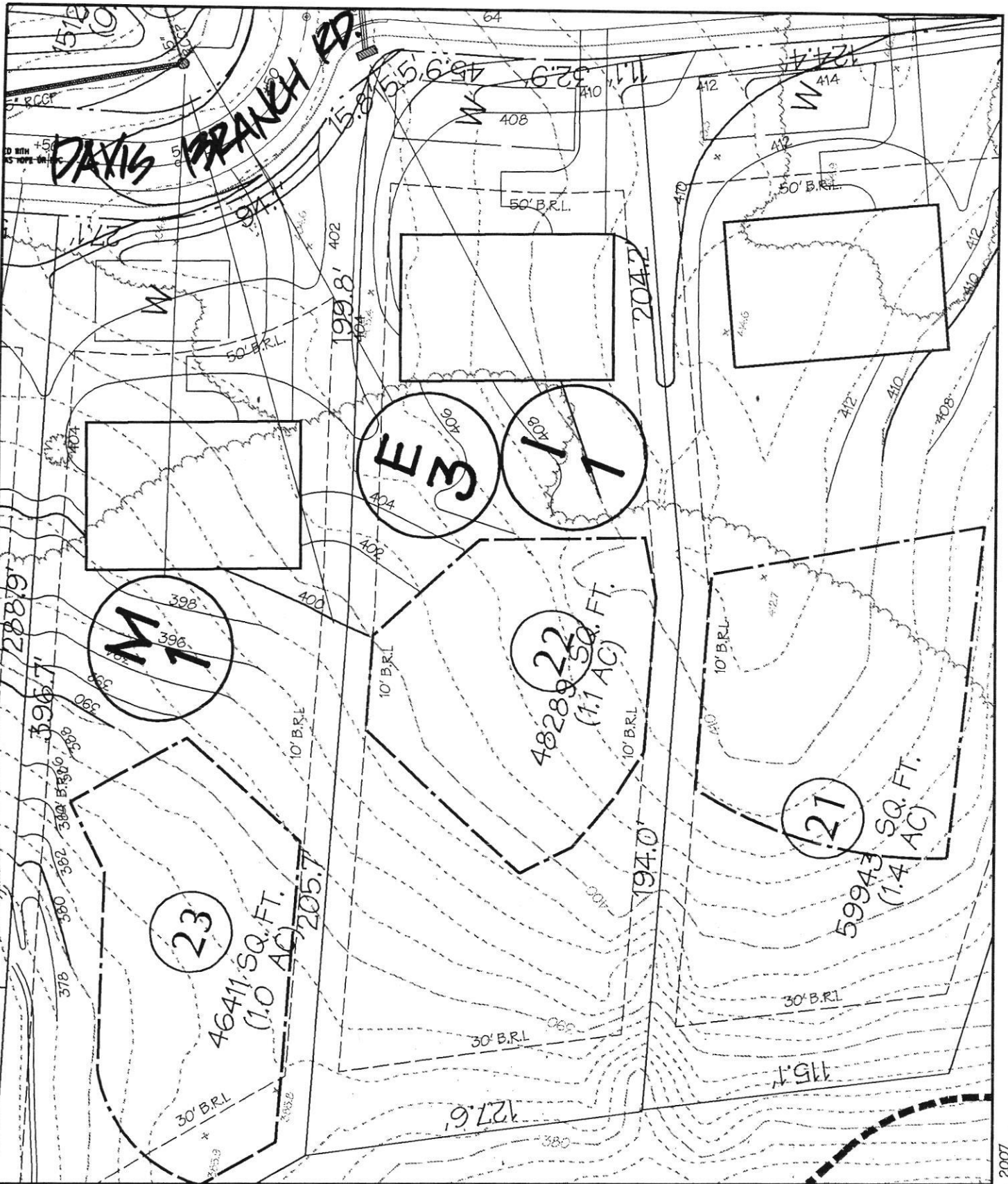
Date: 9-11-07

Name: Keelty Co.

Address Woodstock rd. Lot# 22 Tag# HO-95-1218

**Well Yield Test Results:**

TIME	WATER LEVEL	TIME TO FILL 1 GAL	GPM
11 :00	21	4	15
11 :15	68	8	7.5
11 :30	68	8	7.5
11 :45	68	8	7.5
12 :00	68	8	7.5
12 :15	68	8	7.5
12 :30	68	8	7.5
12 :45	68	8	7.5
1 :00	68	8	7.5
1 :15	68	8	7.5
1 :30	68	8	7.5
1 :45	68	8	7.5
2 :00	68	8	7.5
2 :15	68	8	7.5
:30			
:45			
:00			



MYRTUE PROPERTY

LOT 22

**DMW**

Daft-McCune-Walker, Inc.

200 East Pennsylvania Avenue  
 Towson, Maryland 21286  
 (410) 296-3333  
 Fax 296-4705

A Team of Land Planners,  
 Landscape Architects,  
 Engineers, Surveyors &  
 Environmental Professionals

Job No. 02033.

Scale: 1"=50'

Date: 04/16/07

Drawn By: MDT

N:\02033\Lot Wells\Lot22.dgn

Mon Apr 16 17:02:58 2007



# ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

## FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling  
522 Underwood Lane  
Bel Air, MD 21014

Report Date: 11/16/2022  
Report Number: 221116130033  
Use and Occupancy  
PERMIT #:

LAB#- E072337-01      SAMPLE ID- 1945 Davis Branch Rd      WELL #      HO 95-1218  
LOCATION- Pressure Tank      SAMPLER- S Duklewski #3073SD  
DATE SAMPLED- 11/03/2022      TIME SAMPLED- 15:00      CHLORINE- Non detect  
DATE RECEIVED- 11/03/2022      TIME RECEIVED- 16:10  
DELIVERED BY- Steve Duklewski      RECEIVED BY- Stephen Shelley  
COMMENTS- Secure well, 2 piece cap. No treatment.

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
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**Microbiology by Enviro-Chem**

Total Coliform	SM 9223B	11/03/22 16:15	VPS	Absent	PASS
E. Coli	SM 9223B	11/03/22 16:15	VPS	Absent	PASS

Based on coliform bacteriological standards, at the time of sampling this water was **SAFE** for drinking water purposes.

**Wet Chemistry by Enviro-Chem**

Nitrate (as N)	EPA 300.0	11/04/22 22:06	SES	0.18	mg/L	PASS
pH	SM4500-H+B	11/03/22 16:20	RAS	7.3	SU	
Sand	EPA 160.5	11/04/22 09:00	VPS	< 0.5	ml/L/Hr	
Turbidity	EPA 180.1	11/03/22 16:35	RAS	0.4	NTU	

Stephen Shelley  
Laboratory Director

Certifications

State of Maryland Laboratory

#192

**EMSL ANALYTICAL, INC.**

200 Route 130 North  
 Cinnaminson, NJ 08077  
 Telephone: (800)220-3675 FAX: (856)786-0327  
[cinnaminsonradonlab@emsl.com](mailto:cinnaminsonradonlab@emsl.com) | <http://www.EMSL.com>

**EMSL ORDER ID:** 782207775  
**EMSL CUSTOMER ID:** ECHM78

**Attention:** Stephen Shelley  
 Enviro-Chem Laboratories, Inc.  
 47 Loveton Circle  
 Suite K  
 Sparks, MD 21152

**Customer PO:**  
**EMSL Project ID:**  
**Project Name:** 1945 Davis Branch Rd.

**Phone:** 410-472-1112  
**Email:** [steve@enviro-chem.net](mailto:steve@enviro-chem.net)

**Collected:** 11/03/2022 15:00  
**Received:** 11/04/2022 11:20  
**Analyzed:** See Results  
**Reported:** 11/14/2022

**Laboratory Report- Sample Summary**

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782207775-0001	1945 Davis Branch Rd.	11/3/2022	3:00 PM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

<u>Report Date</u>	<u>Report Revision</u>	<u>Revision Comments</u>
11/14/2022	R0	Initial Report

**Dominic Gehret, Radiochemistry Laboratory Manager**  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

**EMSL ANALYTICAL, INC.**

200 Route 130 North  
 Cinnaminson, NJ 08077  
 Telephone: (800)220-3675 FAX: (856)786-0327  
 cinnaminsonradonlab@emsl.com | http://www.EMSL.com

**EMSL ORDER ID:** 782207775  
**EMSL CUSTOMER ID:** ECHM78

**Attention:** Stephen Shelley  
 Enviro-Chem Laboratories,  
 Inc.  
 47 Loveton Circle  
 Suite K

**Customer PO:**  
**EMSL Project ID:**  
**Project Name:** 1945 Davis Branch Rd.

**Phone:** 410-472-1112  
**Email:** [steve@enviro-chem.net](mailto:steve@enviro-chem.net)

**Collected:** 11/03/2022 15:00  
**Received:** 11/04/2022 11:20  
**Analyzed:** See Results  
**Reported:** 11/14/2022

### Analytical Report

**Sample Identification:** 1945 Davis Branch Rd. **Lab Sample #:** 782207775-0001 **Date/Time Collected:** 11/3/2022 03:00 PM

Test Parameter	Units	Result	Uncertainty	SDWA DL	Start Count Date/ Time	End Count Date/ Time	Analyst	Status Count	Method	Comment
NJ Rapid Gross Alpha	pCi/L	5.26	2.65	2.51	11/05/2022 09:49	11/05/2022 10:49	JAW / SAT	First Count	ECLS-R-GA Rev.8	
NJ Rapid Gross Alpha	pCi/L	2.70	1.79	1.90	11/06/2022 09:19	11/06/2022 10:19	JAW / SAT	Second Count	ECLS-R-GA Rev.8	
Gross Beta - EPA 900.0	pCi/L	6.84	2.66	2.31	11/05/2022 09:49	11/05/2022 10:49	JAW / SAT	Not Applicable	EPA 900.0	

Sample Specific Comments

- (1)= Analyte was analyzed for, but not detected above the SDWA DL
- (2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

- \* The uncertainty reported is an expanded uncertainty of 1.96-sigma.
- \* For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
- \* The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidence level ( $1.96\sigma$  where  $\sigma$  is the standard deviation of the net counting rate of the sample).
- \* For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L.
- \* For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
- \* If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

<u>Report Date</u>	<u>Report Revision</u>	<u>Revision Comments</u>
11/14/2022	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager  
 or other approved signatory

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
 1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

WATER WELL ABANDONMENT-SEALING REPORT FORM

**SUBMIT COPIES OF COMPLETED FORM TO:**

- \* COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 10/26/2015 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

\* PERMIT NUMBER OF REPLACEMENT WELL:

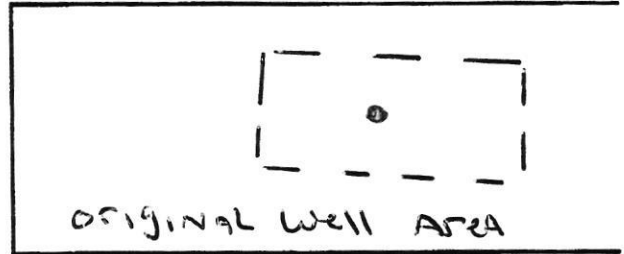
HO-14-0114

\* PERSON ABANDONING WELL: Michael Bartolo WELL DRILLER'S LICENSE NUMBER: 355

\* OWNER'S NAME: LAND Design + Development CIRCLE: MWD/MSD/MGD

\* WELL LOCATION: HOWARD  
 COUNTY: HOWARD  
 NEAREST TOWN: CLARKSVILLE  
 TAX MAP 34 BLOCK PARCEL 414  
 SUBDIVISION: JACKS LANDING  
 SECTION: LOT: 6  
 STREET ADDRESS: TRIADELPHIA MILL RD

SITE LOCATION MAP



LATITUDE 3 9.21603  
 LONGITUDE 7 6.97519

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Drill Cuttings	500	20
Cement	20	0

VOLUME OF MATERIAL USED

470 lbs cement

\* TYPE OF WELL BEING ABANDONED:  
 DRILLED  JETTED  
 BORED  HAND DUG  
 OTHER (specify) \_\_\_\_\_

\* USE CODE:  
 DOMESTIC  MUNICIPAL/PUBLIC  
 IRRIGATION  INDUSTRIAL  
 TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING: None - Dr-hole #4  
 STEEL  PLASTIC  
 CONCRETE  OTHER (specify) \_\_\_\_\_

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 500 FEET DEEP

WAS ANY CASING REMOVED?  YES  NO  
 If yes, length removed, in feet: \_\_\_\_\_

WAS CASING RIPPED OR PERFORATED?  YES  NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE# 355

CIRCLE ONE 3/12/19 DATE

Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.

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**MAR 13 2019**

**HOWARD COUNTY HEALTH DEPT.  
FOOD PROTECTION PROGRAM**

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

WATER WELL ABANDONMENT-SEALING REPORT FORM

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- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 10/26/2015 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

\* PERMIT NUMBER OF REPLACEMENT WELL:

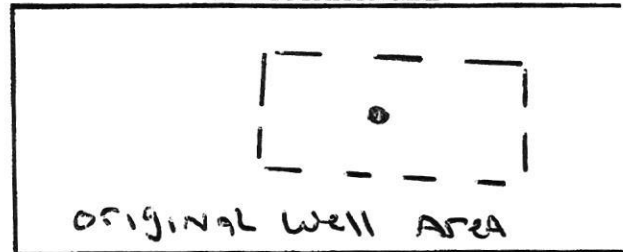
140-14-0114

\* PERSON ABANDONING WELL: Michael Bartow WELL DRILLER'S LICENSE NUMBER: 355

\* OWNER'S NAME: LAND Design + Development CIRCLE: MWD/MSD/MGD

\* WELL LOCATION: HOWARD  
COUNTY: \_\_\_\_\_  
NEAREST TOWN: CLARKSVILLE  
TAX MAP 34 BLOCK \_\_\_\_\_ PARCEL 414  
SUBDIVISION: JACKS LANDING  
SECTION: \_\_\_\_\_ LOT: 6  
STREET ADDRESS: TRIADELPHIA MILL RD

SITE LOCATION MAP



LATITUDE 39.21603

LONGITUDE 76.97519

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Drill Cuttings	500	20
Cement	20	0

VOLUME OF MATERIAL USED

470 lbs cement

\* TYPE OF WELL BEING ABANDONED:  
 DRILLED                       JETTED  
 BORED                          HAND DUG  
 OTHER (specify) \_\_\_\_\_

\* USE CODE:  
 DOMESTIC                       MUNICIPAL/PUBLIC  
 IRRIGATION                     INDUSTRIAL  
 TEST/OBSERVATION            GEOTHERMAL

\* TYPE OF CASING: NONE - Dry hole #4  
 STEEL                               PLASTIC  
 CONCRETE                         OTHER (specify) \_\_\_\_\_

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 500 FEET DEEP

WAS ANY CASING REMOVED?  YES  NO  
If yes, length removed, in feet: \_\_\_\_\_

WAS CASING RIPPED OR PERFORATED?  YES  NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature] LICENSE# 355

CIRCLE ONE: MWD/MSD/MGS

DATE: 3/12/19

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**MAR 13 2019**

**HOWARD COUNTY HEALTH DEPT.  
FLUORIDATION PROGRAM**

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION  
1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

WATER WELL ABANDONMENT-SEALING REPORT FORM

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- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

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\* PERMIT NUMBER OF ABANDONED WELL (if any)

\* PERMIT NUMBER OF REPLACEMENT WELL:

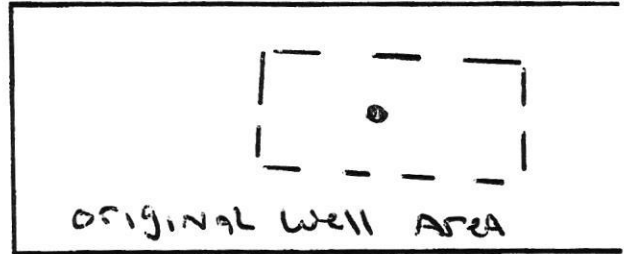
HO-14-0114

\* PERSON ABANDONING WELL: Michael Bartow WELL DRILLER'S LICENSE NUMBER: 355

\* OWNER'S NAME: LAND Design + Development CIRCLE: MWD/MSD/MGD

\* WELL LOCATION: HOWARD  
COUNTY: \_\_\_\_\_  
NEAREST TOWN: CLARKSVILLE  
TAX MAP 34 BLOCK \_\_\_\_\_ PARCEL 414  
SUBDIVISION: JACKS LANDING  
SECTION: \_\_\_\_\_ LOT: 6  
STREET ADDRESS: TRIADELPHIA MILL RD

SITE LOCATION MAP



LATITUDE 39.21603

LONGITUDE 76.97519

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Drill Cuttings	500	20
Cement	20	0

VOLUME OF MATERIAL USED

470 lbs cement

\* TYPE OF WELL BEING ABANDONED:  
 DRILLED  JETTED  
 BORED  HAND DUG  
 OTHER (specify) \_\_\_\_\_

\* USE CODE:  
 DOMESTIC  MUNICIPAL/PUBLIC  
 IRRIGATION  INDUSTRIAL  
 TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING: NONE - DR-HOLE #4  
 STEEL  PLASTIC  
 CONCRETE  OTHER (specify) \_\_\_\_\_

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 500 FEET DEEP

WAS ANY CASING REMOVED?  YES  NO  
If yes, length removed, in feet: \_\_\_\_\_

WAS CASING RIPPED OR PERFORATED?  YES  NO

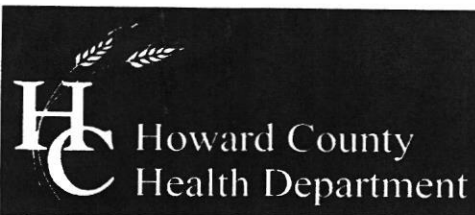
SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE# 355

CIRCLE: MWD/MSD/MGS  
CIRCLE ONE

DATE 3/12/19

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**RECEIVED**  
MAR 13 2019  
HOWARD COUNTY HEALTH DEPT.  
INFLUENZA PREVENTION PROGRAM



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(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

November 1, 2007

James Keelty and Company, Inc.  
61 East Padonia Road  
Timonium, Maryland 21093

RE: Myrtue Property Lot 22  
Davis Branch Road  
Well Tag: HO-95-1218

To Whom this May Concern:

A sample was collected from a yield test on September 11, 2007 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  $6.0 \pm 2.0$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $7.0 \pm 2.0$  pCi/L. Both the **Gross Alpha** and **Gross Beta** were below the **maximum contaminant level (MCL)** of 15 pCi/L and the targeted 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 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, Director  
Bureau of Environmental Health

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



## Collins, Sarah

---

**From:** Collins, Sarah  
**Sent:** Thursday, February 21, 2019 4:36 PM  
**To:** Mike Isom  
**Subject:** Jack's Landing wells

Hi Mike,

Jeff in our office looked over the wells for lots 6-8 and came up with a few things regarding water treatment for the future houses.

Given the presence of VOCs in the water, we'd like you to pump the wells on all three lots for 24 hrs and then resample for VOCs. We're hoping that the levels decrease similar to the drop in VOCs after the 24-hr pumping of the initial well on lot 6. Please also note the static levels of the wells and the time it takes the wells to recover after pumping stops.

Because of the intermediate-to-high levels of sodium, chloride, and TDS in the wells, stainless steel pitless adaptors, water tanks, etc. will be required in the future houses to avoid corrosion.

For the wells on lots 6 and 7 which had high levels of iron, the septic system must have room for a trench specifically for backwash from a treatment system.

Let me know if you have any questions.

Thanks,  
Sarah

Sarah Collins, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045  
SCollins@howardcountymd.gov  
410-313-6287

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