

C1 7253

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, STREET OR RFD, TOWN, SUBDIVISION, SECTION, LOT

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 entries for Brown Shale and Gray Granite.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter inch, depth (feet) from, to

screen type or open hole

SCREEN RECORD

insert appropriate code below (ST, BR, HO, PL, OT)

C2

DEPTH (nearest ft.)

Table for screen depth with columns: 1, 2, 3, diameter of screen

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, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C3

PUMPING TEST

HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES/NO), TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT

LOCATION OF WELL ON LOT, SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS

NO survey stakes

B 1 4341

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HD-95-1184 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD Y 13 Keelty Company P.O. Box 528 Timonium, md. 21094

B 3 LOCATION OF WELL

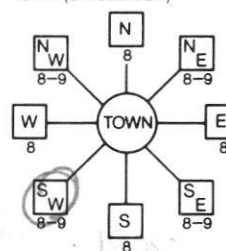
8 COUNTY Howard 21 Myrtue Property 23 SUBDIVISION 42 SECTION 44 46 LOT 8 50 52 NEAREST TOWN Woodstock rd 71 MILES FROM TOWN (enter 0 if in town) 2 73 76 77 78

DRILLER INFORMATION

Allen Compton MS D 009 Fogles Well Drilling 580 Obrecht RD 4-14-07

B 4

1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



11 NEAR WHAT ROAD Woodstock rd. 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD FT 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 1518006-17 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 8/18/07 CO SIGNATURE EXP. DATE NORTH GRID 541 000 EAST GRID 836 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST TOWN

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

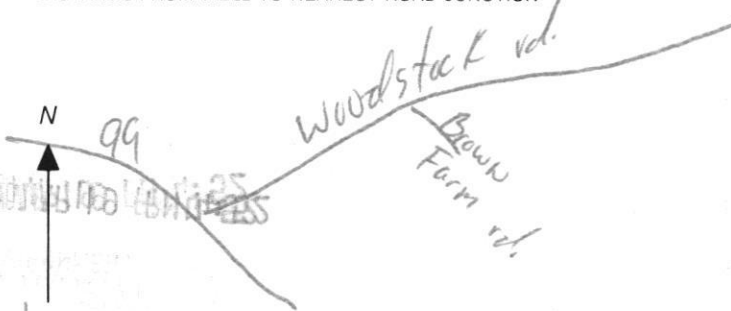
SOURCES OF DRILLING WATER

WRITE THE BOX NUMBER FROM THE MAP HERE

E 836 N 541

8/29/07 ytg Radium Sample Collected During Yield Test BB

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 HD 2006 G 01 B PERMIT No. HD-95-1184

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Need radium sample @ yield test

# Yield Test Data Sheet

County File # \_\_\_\_\_  
District 2

MD Well Permit #. H0-95-1184

Date of Test: 8-29-07

Subdivision Name: myrtue PRO.

Section \_\_\_\_\_ Lot # 8

Street Address: woodsstock rd.

Measuring Point (MP) Description: Top of casing  
(for ex. "Top of casing")

Distance from MP to ground surface 1' ft.

Well Depth 175' ft.

Well Driller: Fogle's Well Drilling

Must be submitted with the State of Maryland Well Completion Report

Submit to:

Pump Start Time  <u>11:00</u>	Static Water level: <u>43</u> ft.	Pumping Rate <u>3 sec.</u> ( ) Time to fill <u>1</u> gal. bucket  ( ) Flow meter reading (if used)	Calculated Flow (gallons per minute)  <u>20</u>
TIME	WATER LEVEL BELOW M.P.		

Water level and pumping rate must be recorded every 15 minutes			
1	<u>11:00</u>	<u>43</u> ft.	<u>3</u> <u>20</u> GPM
2	<u>11:15</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
3	<u>11:30</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
4	<u>11:45</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
5	<u>12:00</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
6	<u>12:15</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
7	<u>12:30</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
8	<u>12:45</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
9	<u>1:00</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
10	<u>1:15</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
11	<u>1:30</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
12	<u>1:45</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
13	<u>2:00</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
14	<u>2:15</u>	<u>105</u> ft.	<u>13</u> <u>4.6</u> GPM
15		ft.	GPM
16		ft.	GPM
17		ft.	GPM
18		ft.	GPM
19		ft.	GPM
20		ft.	GPM
21		ft.	GPM
22		ft.	GPM
23		ft.	GPM
24		ft.	GPM
25		ft.	GPM
26		ft.	GPM
27		ft.	GPM
28		ft.	GPM
29		ft.	GPM
30		ft.	GPM

**NOTES:**

**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): Russell George License# PI0148

**\*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 #: 717-464-9060  
Subdivision: \_\_\_\_\_ Lot #: 8 Well Tag #: HO -95 -1184 **(ST)**  
Site Address: 1825 Davis Branch Road  
Marriottsville, Maryland 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>Goulds</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>5CS10422C</u>	Model#: <u>PT800</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>8.5</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: _____ (feet)		Conduit secured to well cap: <u>Yes</u>
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 <u>inside of well casing</u> <b>N/A</b>		

<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: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve(5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</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.**

Robert L. Feezer Mobile signed by Robert L. Feezer  
410-781-4655, Fax: 410-313-2648  
Rev. 2011 06 11 13:30:45 AM  
Signature of company representative responsible for installation \_\_\_\_\_ date \_\_\_\_\_

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

Date Insp. Requested: 5/27/21 Date Insp. Approved: 5/27/21 Inspector: **(ST)**  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 40"  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 32"  
Safety rope not outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓ 13"  
Water supply line sleeved adequately at house connection ✓ 10"  
Adequate grout observed below pitless adapter ✓



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

## **INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – MARCH 20, 2022**

September 20, 2021

Homeowner  
1825 Davis Branch Road  
Woodstock, MD 21163

**RE: Myrtue Property, Lot 8  
1825 Davis Branch Rd  
Building Permit: B19003253  
Well Permit: HO-95-1184**

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 **7/29/2021**. Final approval of the well line connection to the dwelling was granted on **5/27/2021**. The well construction was completed on **8/29/2007**. Water samples were collected on **8/23/2021**.

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 **8/29/2007**. Results showed a Gross Alpha level of **0.1 ± 0.4 pCi/L** and **Gross Beta** level of **4.4 ± 1.3 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).

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-95-1184. 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.**

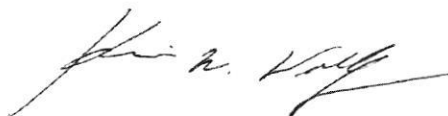
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Maura J. Rossman, M.D., Health Officer

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:

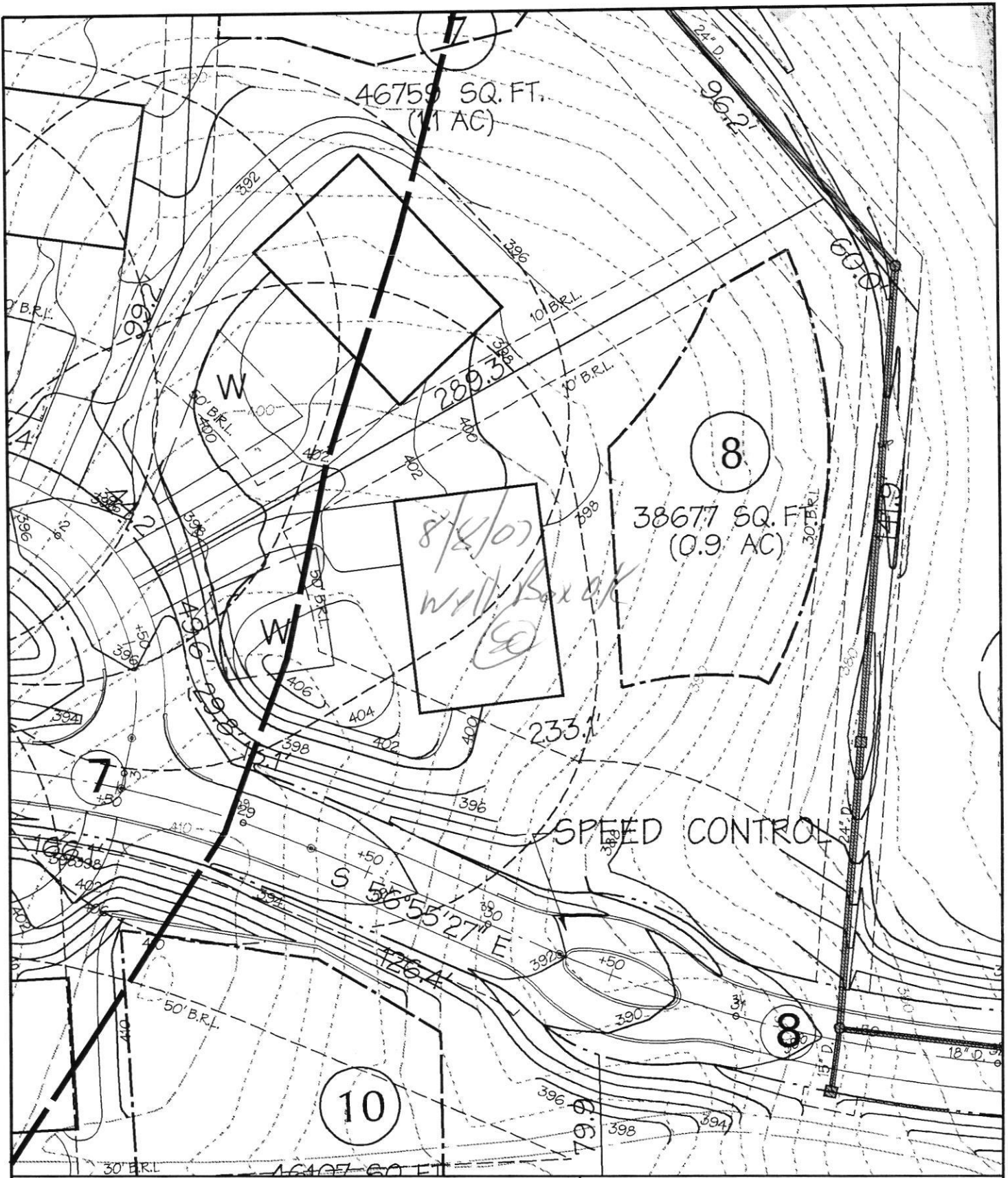
- The well site has been staked by DaFT - McCune Walker on \_\_\_\_\_ and is ready for site inspection.
- \_\_\_\_\_ will call the Health Department for a time to meet in the field to verify a well location.
- Site plan for new well is attached to well permit application.

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*

*Martne Prop. Lots 1-31*



MYRTUE PROPERTY

LOT 8

**DMW**

Daft-McCune-Walker, Inc.

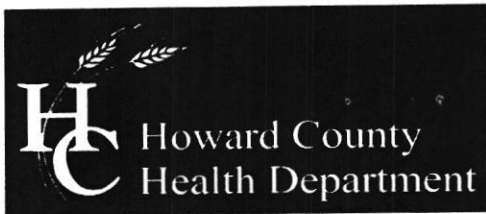
200 East Pennsylvania Avenue  
 Towson, Maryland 21286  
 (410) 296-3333  
 Fax 296-4705

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\Lot08.DGN

Wed Apr 25 11:53:18 2007



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

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

October 9, 2007

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

**RE: Myrtue Property Lot 8**  
**Davis Branch Road**  
**Well Tag: HO-95-1184**

To Whom this May Concern:

A sample was collected from a yield test on August 29, 2007 and submitted to GPL 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  $-0.1 \pm 0.4$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $4.4 \pm 1.3$  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,

A handwritten signature in black ink that reads 'Bert Nixon'.

Bert Nixon, Director  
Bureau of Environmental Health

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





### FINAL REPORT OF ANALYSIS

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

Report Date: 08/25/2021  
Report Number: 210825123338  
Use and Occupancy  
PERMIT #:

LAB#- E067973-01      SAMPLE ID- 1825 Davis Branch Rd      WELL #      HO 95-1184  
LOCATION-      Pressure Tank      SAMPLER-      3073SD  
DATE SAMPLED- 08/23/2021      TIME SAMPLED- 15:00      CHLORINE-      Non detect  
DATE RECEIVED- 08/23/2021      TIME RECEIVED- 16:50  
DELIVERED BY- Steve Duklewski      RECEIVED BY- Stephen Shelley  
COMMENTS-

COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
<b>Microbiology by Enviro-Chem</b>					
Total Coliform	SM 9223B	08/23/21 17:30	VPS	Absent	PASS
E. Coli	SM 9223B	08/23/21 17:30	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	08/23/21 20:06	FRD	0.20	mg/L	PASS
pH	SM4500-H+B	08/24/21 17:00	FRD	6.8	SU	
Sand	EPA 160.5	08/24/21 09:00	VPS	< 0.5	ml/L/Hr	
Turbidity	EPA 180.1	08/24/21 17:00	FRD	0.7	NTU	

Stephen Shelley  
Laboratory Director

Certifications

State of Maryland Laboratory

#192