

C1 49250

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 300

PERMIT NO. FROM "PERMIT TO DRILL WELL" Hb-15-0355

OWNER Land Design + Development Morgan Station Rd TOWN Woodbine SUBDIVISION FAIRLAKE FARM SECTION LOT 13

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. Rows include Soil, Red clay, Brown silty shale, Med Gray Rock, Well #1 - 300 Dry (Backfilled).

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 30 NO. OF POUNDS 2820

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 90

OTHER CASING (if used)

Table for other casing with columns for diameter and depth.

screen type or open hole

SCREEN RECORD

SCREEN RECORD ST (STEEL) BR (BRASS) HO (OPEN HOLE) PL (PLASTIC) OT (OTHER)

NUMBER OF UNSUCCESSFUL WELLS: 1

WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

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

DRILLERS LIC. NO. M D 355

DRILLERS SIGNATURE

LIC. NO. A W D 920

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

DEPTH (nearest ft.)

Table for depth with columns for casing height and slot size.

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) 3 PUMPING RATE (gal. per min.) 15.0 METHOD USED TO MEASURE PUMPING RATE Submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES (NO) 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

LATITUDE 39.34236 LONGITUDE 77.04762 (DEFAULT COORD. WGS 84)

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.

B 1 38588

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-15-0355

Date Received (APA)

10 30 15

OWNER INFORMATION

LAND DESIGN & DEVELOPMENT 5300 DORSEY HALL DR, SUITE 102 ELICOTT CITY MD 21043

B 3

LOCATION OF WELL

HOWARD COUNTY FAIRLANE FARM SECTION 44 LOT 13 WOODBINE

DRILLER INFORMATION

MICHAEL BARLOW M W D 355 BARLOW WELL DRILLING 522 UNDERWOOD LANE 21014 MD 10/19/15

B 4

SOURCES OF DRILLING WATER

1. WELL

MORGAN STATION RD 1000 DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: 8 BLK: 2 PARCEL 8

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL PER DAY) 750

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) 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 COUNTY NO. 13 STATE SIGNATURE DATE ISSUED 11/21/16 CO SIGNATURE EXP. DATE 11/21/16

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTARY CABLE other JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) Drive-POINT Jettied & DRIVEN

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

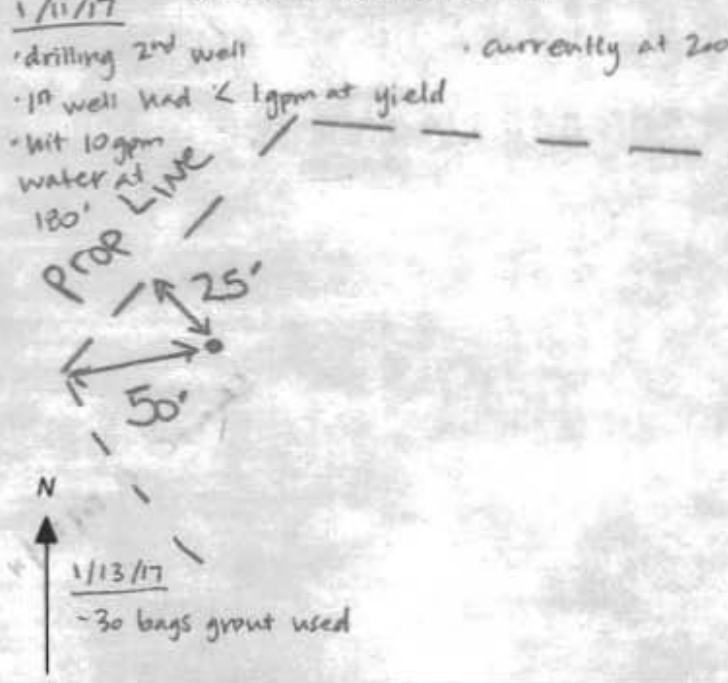
- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled) THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS THIS WELL WILL DEEPEM AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER HQ 2015GD 04 (01) PERMIT No. HO-15-0355

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



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: January 16, 2017

Well Depth: 300 feet

Customer	Land Design & Development	Permit #	HO-15-0355
Road	Morgan Station Rd	Subdivision	Fairlane Farm
City	Woodbine	Section	
State	Maryland	Lot #	13

Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
9:15 AM	41	3	20.00
9:30 AM	75	4	15.00
9:45 AM	75	4	15.00
10:00 AM	75	4	15.00
10:15 AM	75	4	15.00
10:30 AM	75	4	15.00
10:45 AM	75	4	15.00
11:00 AM	75	4	15.00
11:15 AM	75	4	15.00
11:30 AM	75	4	15.00
11:45 AM	75	4	15.00
12:00 PM	75	4	15.00
12:15 PM	75	4	15.00

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.

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

OK
3/23/17 SC

DATE WELL ABANDONED: 1/25/17 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) _____

HO-15-0355

* PERMIT NUMBER OF REPLACEMENT WELL: _____

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

CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: Land Design + Development

SITE LOCATION MAP

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Woodbine
TAX MAP 8 BLOCK 2 PARCEL 8
SUBDIVISION: Fairlane Farm
SECTION: _____ LOT: 13
STREET ADDRESS: Morgan Station Road



LATITUDE 3 9.34234 -

LONGITUDE 7 7.04758 -

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Drill cuttings	300	40
Cement	40	0
VOLUME OF MATERIAL USED		
940 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:
 STEEL PLASTIC
 CONCRETE OTHER (specify) _____

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 300 FEET DEEP

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

WAS CASING RIPPED OR PERFORATED? YES NO

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.

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE# 355

CIRCLE ONE MWD / MSD / MGS DATE 3-16-17

COUNTY

**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): Russel C. 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: NV Homes Telephone #: 410-379-5956
Subdivision: Fairlane Farm Lot #: 13 Well Tag #: HO - 15 - 0355
Site Address: 15312 Galaxy Drive
Woodbine, MD 21797

Submersible Pump Data

Make: Franklin
Model #: 5FR1S4-2W230
Pump Capacity 7 GPM
Well Yield: 15.00 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
Conduit secured to well cap: Yes

Depth of well encountered at time of pump installation: 300 (feet)
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.

Russell C. George January 11, 2018
Signature of company representative responsible for installation date

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

Date Insp. Requested: 2/26/18 Date Insp. Approved: 2/26/18 Inspector: SC
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
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – OCTOBER 3, 2018

April 3, 2018

Homeowner
15312 Galaxy Drive
Woodbine, MD 21797

**RE: Fairlane Farm, Lot 13
15312 Galaxy Drive
Building Permit: B17004045
Well Permit: HO-15-0355**

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 **2/28/2018**. Final approval of the well line connection to the dwelling was granted on **2/26/2018**. The well construction was completed on **1/26/2017**. Water samples were collected on **3/26/2018**.

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-15-0355. 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>



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

In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', is written over a horizontal line.

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

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

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

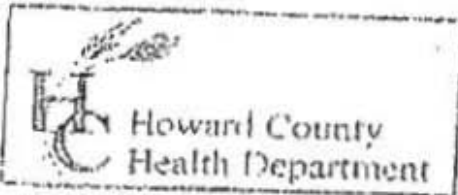
Laboratory ID #: 120671 Account #: 1920
Reference: Fairlane Farm Lot 13 Company: Robert L Feezer Co- New Homes
Location: 15312 Galaxy Drive Requested By: Rick Cross
Woodbine, MD 21797 Source: Well Water
Date/ Time Collected: 3/26/2018 1148 Site: Pressure Tank ✓
Date/Time Rec'd: 3/26/2018 1638 Treatment: **
Chlorine ppm: Free: ND Total: ND pH: 6.8
Collected By: G. Lana 3799GL Well #: HO-15-0355

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	✓ <1.0	MPN/ 100 ml	<1.0	SM20 9223	3/27/2018 / 1100 / RER
Bacteria, E. coli, MPN	✓ <1.0	MPN/ 100 ml	<1.0	SM20 9223	3/27/2018 / 1100 / RER
Nitrate	✓ 2.26	mg/L	10	601	3/27/2018 / 0845 / CRS
Turbidity	✓ 2.14	NTU	<10	SM20 2130B	3/27/2018 / 0915 / CRS
Sand	✓ NS	mg/L	5	Visual/Gravimetric	3/27/2018 / 0915 / CRS

NOTES

- 1 Revised report: Location address corrected from 312 to 15312 Galaxy Drive 03/28/18 CCH
 - 2 **Sample collected prior to Softener & Neutralizer
 - 3 mg/L = milligrams per liter (also, parts per million)
 - 4 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
 - 5 NS = None Seen (NS indicates less than 5 mg/L)
 - 6 NTU = Nephelometric Turbidity Units
 - 7 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
 - 8 ND:None Detected
 - 9 pH & Chlorine level tested on site
 - 10 Visual well check: Sealed, vented cap
- Reason for Test : Use & Occupancy
Building Permit # : B17004045

Date Reported: 3/28/2018



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

Fair Lane Farm
Subdivision

TO ALL INTERESTED PARTIES

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

- The well site has been staked by Fisher Collins + Carter
(professional land surveyor or company employing professional land surveyors)
on 3/29/16 (date) and does not require a site inspection.
- 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 6/10/03

Well box approved
11/21/16 SC

Well box staked by Fisher,
Collins + Carter

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

H0-15-0355

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



WELL EXHIBIT FAIRLANE FARM

PREVIOUSLY KNOWN AS SCHULTE PROPERTY
LOT 13

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855

LOTS 1 THRU 44, BUILDABLE PRESERVATION PARCEL 'A'
AND NON BUILDABLE PRESERVATION PARCEL 'B' THRU 'H'
TAX MAP #8 PARCELS: 8 & 17 GRIDS: 2 AND 3

FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 100' DATE: October 13, 2015

