



HOWARD COUNTY HEALTH DEPARTMENT

65514

DATE 6/4/19

WS

Received From

Carroll Water Systems

PHONE #

410 876-5100

For

Well Permit/6056
Lester Dr.

CASH

CHECK

NO.

4014

One hundred sixty

Dollars

\$

100 00

Received By

J King

C 1 48507 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 XIII

ST/CO USE ONLY
DATE RECEIVED 00/11/19

DATE WELL COMPLETED 06/27/19 APPROVED 02/19/20

DEPTH OF WELL 500 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"
HU - 18 - 0090

OWNER Green Field Barbara
WELL SITE ADDRESS 656 Luster Drive TOWN Highland
SUBDIVISION _____ SECTION _____ LOT _____

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
mud & clay	0	160	
GRAY ROCK	160	210	
Sandstone	210	230	
GRAY ROCK	230	500	

GROUTING RECORD yes no

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 10 NO. OF POUNDS 440

GALLONS OF WATER 60

DEPTH OF GROUT SEAL (to nearest foot)
from 0 TOP 52 ft. to 164 BOTTOM 58 ft.
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 164

OTHER CASING (if used)

EACH CASING	diameter inch		depth (feet)	
	inch	to	from	to
<u>ST</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>42</u>
<u>PL</u>	<u>4 1/2</u>	<u>0</u>	<u>0</u>	<u>200</u>

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL BR BRASS HO OPEN HOLE
 PL PLASTIC OT OTHER

C 2 DEPTH (nearest ft.)

EACH CASING	slot size		Diameter of screen (nearest inch)
	1	2	
<u>1</u>	<u>8</u>	<u>9</u>	<u>15</u>
<u>2</u>	<u>23</u>	<u>24</u>	<u>30</u>
<u>3</u>	<u>38</u>	<u>39</u>	<u>45</u>

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 _____

NUMBER OF UNSUCCESSFUL WELLS: 0

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 066
Marie E. Smith
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 4

PUMPING RATE (gal. per min.) 5.00

METHOD USED TO MEASURE PUMPING RATE Watch & Bucket

WATER LEVEL (distance from land surface)
 BEFORE PUMPING 16 ft.
 WHEN PUMPING 245 ft.

TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (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. S

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 10

PUMP HORSE POWER 1.5

PUMP COLUMN LENGTH (nearest ft.) 480

CASING HEIGHT (circle appropriate box and enter casing height)
 + above } LAND SURFACE
 - below } 2 (nearest foot)

LATITUDE 39.192610
 LONGITUDE 76.981245
 (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. 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.

B 1 60147

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER 40-18-0090 fill in this form completely

OWNER INFORMATION: Date Received (APA), Greenfield Barbara, 6656 Luster Drive, Highland MD 20777

LOCATION OF WELL: Howard County, 23 Subdivision, Highland, 52 Nearest Town

DRILLER INFORMATION: Maurice Dixon, MS D 2066, Carroll Water Systems, 12047 Falls Rd, Cockeysville

SOURCES OF DRILLING WATER: Well, HCHTD, 6/5/19, Bedrock @ 35' ish, 70' Deep, 120' no Bedrock

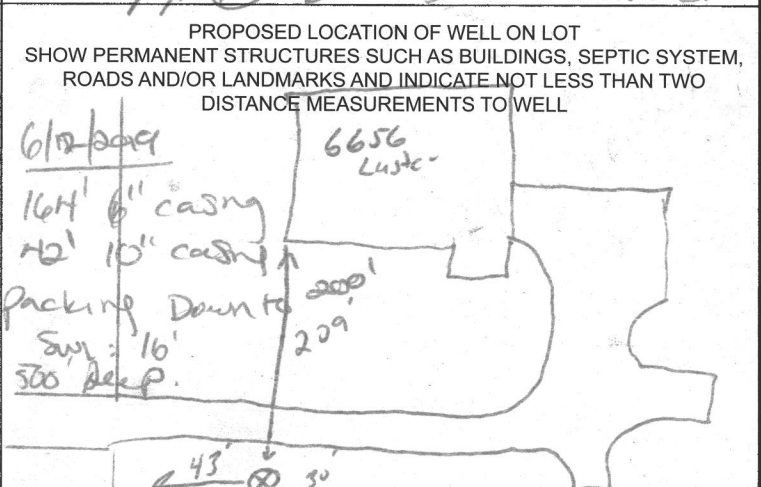
6656 Luster Drive, 34 650 37, ON WHICH SIDE OF ROAD, DISTANCE FROM ROAD, ENTER FT OR MI, TAX MAP: 0034, BLK: PARCEL 0391

WELL INFORMATION: APPROX. PUMPING RATE (GAL. PER MIN.) 5, AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX): [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION, [F] FARMING, [I] INDUSTRIAL, COMMERCIAL, DEWATERING, [P] PUBLIC WATER SUPPLY WELL, [T] TEST, OBSERVATION, MONITORING, [O] OPEN LOOP GEOTHERMAL, [C] CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard County, STATE SIGNATURE, DATE ISSUED 6/4/19, CO SIGNATURE, EXP. DATE 6/4/20

APPROXIMATE DEPTH OF WELL 300 FEET, APPROXIMATE DIAMETER OF WELL 6 INCH, NEAREST INCH



METHOD OF DRILLING (circle one): BORED (or Augered) AIR-ROTary, JETTED AIR-PERCussion, Jetted & DRIVEN ROTARY (Hydraulic Rotary), CABLE REVERSE-ROTary, Drive-POINT, other

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER, PERMIT No. 40-18-0090

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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

APPROVED
11/25/2019
Ⓢ

DATE WELL ABANDONED: 06-18-19 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

HO-14-0095

* PERMIT NUMBER OF REPLACEMENT WELL:

HO-18-0090

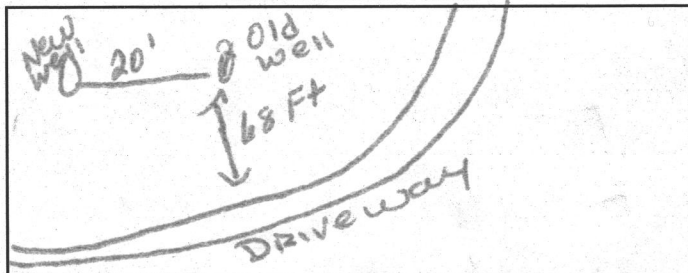
* PERSON ABANDONING WELL: Maurice Dixon WELL DRILLER'S LICENSE NUMBER: 066

CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: Barbara Greenfield

SITE LOCATION MAP

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Highland
TAX MAP _____ BLOCK _____ PARCEL _____
SUBDIVISION: _____
SECTION: _____ LOT: _____
STREET ADDRESS: 6656 Luster Drive



LATITUDE 39.273821

LONGITUDE 76.204613

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Hole Plug	300	0
VOLUME OF MATERIAL USED		
<u>20 Bags</u>		

* 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: 4 INCHES IN DIAMETER

DEPTH OF WELL: 300 FEET DEEP

WAS ANY CASING REMOVED? YES NO
If yes, length removed, in feet: 5

WAS CASING RIPPED OR PERFORATED? YES NO

Maurice Dixon III
SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#

066

MWD / MSD / MGS
CIRCLE ONE

06-18-19
DATE



COUNTY

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CARROLL WATER SYSTEMS
12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-876-5100

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 06-13-19
Address: 6656 Luster Drive
Owner Name: Barbara Greenfield
Well Depth: 500 Ft

Permit Number: HO-18-0090
Subdivision: Lot
Election District:
Static Water Level: 16 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5 Gallon bucket	Calculated Flow-Gallons Per Minute
0930	16 ft	18 psi	5.16 sec	11.63
0945	157	12	6.03	9.95
1000	220	12	6.72	8.93
1015	239	65	7.54	7.96
1030	245	65	11.58	5.18
1045	245	65	12	5.00
1100	245	65	12	5.00
1115	245	65	12	5.00
1130	245	65	12	5.00
1145	245	65	12	5.00
1200	245	65	12	5.00
1215	245	65	12	5.00
1230	245	65	12	5.00
1245	245	65	12	5.00
1300	245	65	12	5.00
1315	245	65	12	5.00
1330	245	65	12	5.00

Cabahug, Joseph

From: Theresa McTaggart <tmctaggart@carrollwater.com>
Sent: Friday, October 25, 2019 9:23 AM
To: Cabahug, Joseph
Cc: 'jhess'
Subject: 6656 Luster Drive

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Good Morning Joseph

This is the info on the drill sheet.

Put 200' of 4 ½" pvc pipe all solids and 1 packer inside 6" steel pipe. Shut off top water with packer. 42' of 10" steel casing at top of well. Everything else that is on the drillers log is on the completion report.

Thank you,

Theresa McTaggart

Theresa McTaggart
Office Administrator



12047 Falls Road
Cockeysville, MD 21030

OFFICE: 410-876-5100
FAX: 410-751-6468

tmctaggart@carrollwater.com

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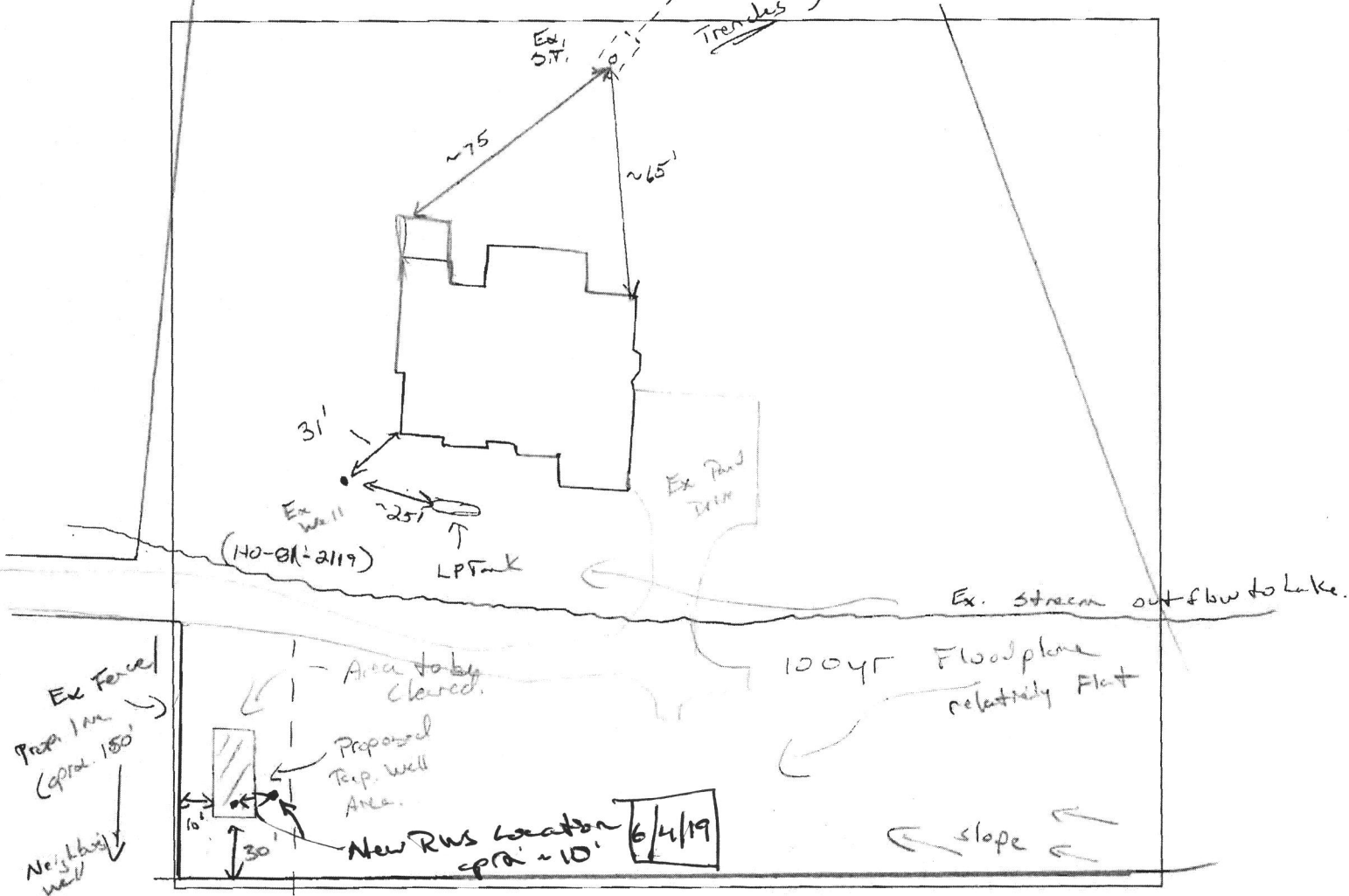
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*** Updated 6/4/19 *
Re-Scan w/ HO-18-0090**

SITE INSPECTION SHEET

OWNER: Wayne Greenfield PHONE #: _____
 ADDRESS: 6656 Luster Drive CONTRACTOR: J. Magne
 WELL TAG #: HO-14-0095
 SUBDIVISION: Socelyn Acres LOT: 2 COUNTY #: _____
 PROPOSAL: High turbidity levels. No treatment possible. New well to be proposed.

LOCATION DIAGRAM



COMMENTS: 9/19/14 site restricted by low lying area in front yard (100yr flood plane). Driller does not want to drill on upper ridge due to embankment from quarry and possible collapse. Possible area in front yard on opp. side of stream. Will need clearing. Well site was approved. Need to extend casing 24" about grade.
9/23/14 Verbal Authorization given to driller to drill well. (Kin)
 DATE: 9/19/14 INSPECTOR: J. Wang

*** 6/4/19 updated: well Permit HO-18-0090 new location approved ex. well HO-14-0095 pumping and collapsed. (Kin)**



209' From corner of House
97' From Edge of Driveway
20' From old Well
43' From Property Line

6/4/19
RWS ^{Approved.}
-Kred
Aprx 10' off
ex well
(H8-14-0075)

