

<b>C 1</b> <span style="font-size: 24pt; font-weight: bold;">36796</span>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.																																																																																																																																																																																																										
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)		COUNTY NUMBER <span style="font-size: 24pt; font-weight: bold;">13</span>	PERMIT NO. FROM "PERMIT TO DRILL WELL" <span style="font-size: 24pt; font-weight: bold;">H0-15-0268</span>																																																																																																																																																																																																										
ST/CO USE ONLY DATE RECEIVED MM DO YY 8 13	DATE WELL COMPLETED MM DO YY 7-20-16	Depth of Well 22 500 26 (TO NEAREST FOOT)	8/3/16 (KMD)																																																																																																																																																																																																										
OWNER <u>WARREN, BRENDA GIPAWI</u> WELL SITE ADDRESS <u>2411 W. WATERSVILLE RD</u> TOWN <u>MT AIRY</u> SUBDIVISION <u>GLM-LEE FARM</u> SECTION _____ LOT <u>1</u>																																																																																																																																																																																																													
<b>WELL LOG</b> Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		<b>GROUTING RECORD</b> WELL HAS BEEN GROUTED (Circle Appropriate Box) <span style="font-size: 24pt; font-weight: bold;">Y</span> <span style="font-size: 24pt; font-weight: bold;">N</span> TYPE OF GROUTING MATERIAL (Circle one) CEMENT <span style="font-size: 24pt; font-weight: bold;">CM</span> BENTONITE CLAY <span style="font-size: 24pt; font-weight: bold;">BC</span> NO. OF BAGS <u>4</u> NO. OF POUNDS <u>100</u> GALLONS OF WATER <u>92</u> DEPTH OF GROUT SEAL (to nearest foot) from <u>0</u> ft. to <u>36</u> ft. (enter 0 if from surface)																																																																																																																																																																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr><td>Top Soil</td><td>0</td><td>2</td><td></td></tr> <tr><td>Brown Shale</td><td>2</td><td>10</td><td></td></tr> <tr><td><del>Brown Shale</del></td><td><del>10</del></td><td><del>28</del></td><td></td></tr> <tr><td>Brown g/lat</td><td>10</td><td>28</td><td></td></tr> <tr><td>Tan g/lat</td><td>28</td><td>55</td><td></td></tr> <tr><td>Gray g/lat</td><td>55</td><td>75</td><td></td></tr> <tr><td>Brown g/lat</td><td>75</td><td>76</td><td></td></tr> <tr><td>Gray g/lat</td><td>76</td><td>84</td><td></td></tr> <tr><td>Brown g/lat</td><td>84</td><td>85</td><td></td></tr> <tr><td>Gray g/lat</td><td>85</td><td>300</td><td></td></tr> <tr><td>Flint gray s/lat</td><td>300</td><td>400</td><td></td></tr> <tr><td>Gray g/lat</td><td>400</td><td>500</td><td></td></tr> </tbody> </table>		DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing	FROM	TO	Top Soil	0	2		Brown Shale	2	10		<del>Brown Shale</del>	<del>10</del>	<del>28</del>		Brown g/lat	10	28		Tan g/lat	28	55		Gray g/lat	55	75		Brown g/lat	75	76		Gray g/lat	76	84		Brown g/lat	84	85		Gray g/lat	85	300		Flint gray s/lat	300	400		Gray g/lat	400	500		<b>CASING RECORD</b> casing types insert appropriate code below <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">ST</span> STEEL</td> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">CO</span> CONCRETE</td> </tr> <tr> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">PL</span> PLASTIC</td> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">OT</span> OTHER</td> </tr> </table> MAIN CASING TYPE <span style="font-size: 24pt; font-weight: bold;">ST</span> Nominal diameter top (main) casing (nearest inch) <u>6</u> Total depth of main casing (nearest foot) <u>40</u> 60 61 63 64 66 67 70		<span style="font-size: 24pt; font-weight: bold;">ST</span> STEEL	<span style="font-size: 24pt; font-weight: bold;">CO</span> CONCRETE	<span style="font-size: 24pt; font-weight: bold;">PL</span> PLASTIC	<span style="font-size: 24pt; font-weight: bold;">OT</span> OTHER																																																																																																																																																
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing																																																																																																																																																																																																										
	FROM	TO																																																																																																																																																																																																											
Top Soil	0	2																																																																																																																																																																																																											
Brown Shale	2	10																																																																																																																																																																																																											
<del>Brown Shale</del>	<del>10</del>	<del>28</del>																																																																																																																																																																																																											
Brown g/lat	10	28																																																																																																																																																																																																											
Tan g/lat	28	55																																																																																																																																																																																																											
Gray g/lat	55	75																																																																																																																																																																																																											
Brown g/lat	75	76																																																																																																																																																																																																											
Gray g/lat	76	84																																																																																																																																																																																																											
Brown g/lat	84	85																																																																																																																																																																																																											
Gray g/lat	85	300																																																																																																																																																																																																											
Flint gray s/lat	300	400																																																																																																																																																																																																											
Gray g/lat	400	500																																																																																																																																																																																																											
<span style="font-size: 24pt; font-weight: bold;">ST</span> STEEL	<span style="font-size: 24pt; font-weight: bold;">CO</span> CONCRETE																																																																																																																																																																																																												
<span style="font-size: 24pt; font-weight: bold;">PL</span> PLASTIC	<span style="font-size: 24pt; font-weight: bold;">OT</span> OTHER																																																																																																																																																																																																												
NUMBER OF UNSUCCESSFUL WELLS: <u>0</u>		<b>OTHER CASING (if used)</b> diameter depth (feet) inch from to EACH CASING _____																																																																																																																																																																																																											
WELL HYDROFRACTURED <span style="font-size: 24pt; font-weight: bold;">Y</span> <span style="font-size: 24pt; font-weight: bold;">N</span>		<b>SCREEN RECORD</b> screen type or open hole insert appropriate code below <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">ST</span> STEEL</td> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">BR</span> BRASS</td> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">HO</span> OPEN HOLE</td> </tr> <tr> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">PL</span> PLASTIC</td> <td style="text-align: center;"><span style="font-size: 24pt; font-weight: bold;">OT</span> OTHER</td> <td></td> </tr> </table>		<span style="font-size: 24pt; font-weight: bold;">ST</span> STEEL	<span style="font-size: 24pt; font-weight: bold;">BR</span> BRASS	<span style="font-size: 24pt; font-weight: bold;">HO</span> OPEN HOLE	<span style="font-size: 24pt; font-weight: bold;">PL</span> PLASTIC	<span style="font-size: 24pt; font-weight: bold;">OT</span> OTHER																																																																																																																																																																																																					
<span style="font-size: 24pt; font-weight: bold;">ST</span> STEEL	<span style="font-size: 24pt; font-weight: bold;">BR</span> BRASS	<span style="font-size: 24pt; font-weight: bold;">HO</span> OPEN HOLE																																																																																																																																																																																																											
<span style="font-size: 24pt; font-weight: bold;">PL</span> PLASTIC	<span style="font-size: 24pt; font-weight: bold;">OT</span> OTHER																																																																																																																																																																																																												
CIRCLE APPROPRIATE LETTER <b>A</b> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED <b>E</b> ELECTRIC LOG OBTAINED <b>P</b> TEST WELL CONVERTED TO PRODUCTION WELL		<b>DEPTH (nearest ft.)</b> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td> </tr> <tr> <td colspan="2">H0</td><td colspan="2">38</td><td colspan="2">500</td><td colspan="96"></td> </tr> </table>		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	H0		38		500																																																																																																	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																										
H0		38		500																																																																																																																																																																																																									
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.		<b>PUMPING TEST</b> HOURS PUMPED (nearest hour) <u>6</u> PUMPING RATE (gal. per min.) <u>1.1</u> METHOD USED TO MEASURE PUMPING RATE <u>Bucket</u> WATER LEVEL (distance from land surface) BEFORE PUMPING <u>54</u> ft. WHEN PUMPING <u>146</u> ft. TYPE OF PUMP USED (for test) <b>A</b> air <b>P</b> piston <b>T</b> turbine <b>C</b> centrifugal <b>R</b> rotary <b>O</b> other (describe below) <b>J</b> jet <b>S</b> submersible																																																																																																																																																																																																											
DRILLERS LIC. NO.: <u>MWD 040</u> DRILLER SIGNATURE <u>Heure F. Gentry</u> (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO.: <u>ISD 038</u> SUPERVISOR SIGNATURE <u>Brian Thompson</u>		<b>PUMP INSTALLED</b> DRILLER INSTALLED PUMP (CIRCLE) (YES OR NO) YES <span style="font-size: 24pt; font-weight: bold;">NO</span> 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 <u>29</u> CAPACITY: GALLONS PER MINUTE (to nearest gallon) <u>31</u> <u>35</u> PUMP HORSE POWER <u>37</u> <u>41</u> PUMP COLUMN LENGTH (nearest ft.) <u>43</u> <u>47</u> CASING HEIGHT (circle appropriate box and enter casing height) <span style="font-size: 24pt; font-weight: bold;">+</span> above } LAND SURFACE <span style="font-size: 24pt; font-weight: bold;">-</span> below } <u>2</u> (nearest foot)																																																																																																																																																																																																											
DRILLERS LIC. NO.: <u>MWD 040</u> DRILLER SIGNATURE <u>Heure F. Gentry</u> (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO.: <u>ISD 038</u> SUPERVISOR SIGNATURE <u>Brian Thompson</u>		LATITUDE <u>39.362361</u> LONGITUDE <u>77.110489</u> (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.																																																																																																																																																																																																											
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE LOG OTHER DATA CASING INDICATOR																																																																																																																																																																																																											

B 1 <b>38333</b> 1 2 3 4 5 6	SEQUENCE NO. (MDE USE ONLY) 558156	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <b>H0-15-0268</b> <small>fill in this form completely</small>
Date Received (APA) <b>06/14/16</b> 8 MM DD YY 13 <b>WARREN</b> 15 Last Name <b>BRENDA FLEMING</b> 34 First Name <b>20803 LAVENDAR PLACE</b> 36 Street or RFD 55 <b>LEXINGTON PARK MD 20653</b> 57 Town 70 State 72 Zip 76		B 3 <b>LOCATION OF WELL</b> <b>CCN</b> <b>Howard</b> 8 COUNTY 21 <b>Elm-Lee Farm</b> 23 SUBDIVISION 42 SECTION <b>44</b> 45 LOT <b>1</b> 48 50 <b>Mt. Airy</b> 52 NEAREST TOWN 71	
<b>DRILLER INFORMATION</b> <b>George F. Easterday</b> <b>M</b> <b>WD</b> <b>040</b> Driller's Name 76 License No. 81 <b>L. Franklin Easterday, Inc.</b> Firm Name <b>9265 Brown Church Rd., Mt. Airy, Md. 21771</b> Address <b>George F. Easterday</b> <b>6/9/2016</b> Signature Date		B 4 <b>SOURCES OF DRILLING WATER</b> 1. wells 2. 3. <b>611 W. Watersville Road</b> 11 STREET ADDRESS 30 <b>ON WHICH SIDE OF ROAD</b> <b>(CIRCLE APPROPRIATE BOX)</b> NORTH WEST EAST SOUTH 34 200 37 DISTANCE FROM ROAD FL ENTER FT OR MI 38 39 TAX MAP: <b>2</b> BLK: <b>14</b> PARCEL <b>10</b>	
B 2 <b>WELL INFORMATION</b> 1 2 APPROX. PUMPING RATE <b>5</b> (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED <b>500</b> (GAL. PER DAY) 14 20		<b>NOT TO BE FILLED IN BY DRILLER</b> <b>HEALTH DEPARTMENT APPROVAL</b> <b>Howard</b> <b>(13)</b> COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S → 41 DATE ISSUED <b>6/22/16</b> <b>Ed. Call</b> <b>6/22/17</b> 43 MM DD YY 48 CO SIGNATURE EXP. DATE	
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="radio"/> PUBLIC WATER SUPPLY WELL <input type="radio"/> TEST, OBSERVATION, MONITORING <input type="radio"/> OPEN LOOP GEOTHERMAL <input type="radio"/> CLOSED LOOP GEOTHERMAL		<b>PROPOSED LOCATION OF WELL ON LOT</b> <b>SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM,</b> <b>ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO</b> <b>DISTANCE MEASUREMENTS TO WELL</b> 	
APPROXIMATE DEPTH OF WELL <b>300</b> FEET 24 28 APPROXIMATE DIAMETER OF WELL <b>6</b> INCH NEAREST INCH			
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) JETTED Jetted & DRIVEN 30 <b>AIR-ROTARY</b> AIR-PERCUSION ROTARY (Hydraulic Rotary) 37 <b>CABLE</b> REVERSE-ROTARY DRIVE-POINT other			
<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="radio"/> THIS WELL WILL DEEPEMED 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) APPROP. PERMIT NUMBER _____ <b>G</b> _____ PERMIT No. <b>H0-15-0268</b> 70 71 72 73 74 75 76 77 78 79			
<b>SPECIAL CONDITIONS</b> <small>NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.</small>			

Page      of       
Date 7-21-16

Review                     

FIELD DATA SHEET  
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. H0-15-0268 Election District               
Location of Property (road) 611 W. Watersville Rd  
Subdivision ELM Lee Farm Lot 1 Block          Plat          Sec.           
Well Driller EASTERN Owner Brenda Fleming Warren  
Depth of Well 500 15pm  
Distance of Measuring Point (M.P.) above ground 2  
Static Water Level (S.W.L.) below M.P. 54 PS 400

I. High Rate Pumping -- reservoir drawdown

Time pump started 4:45 Pumping rate 20  
Total time 15 to reach pumping water level 145 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes.

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
5:00	145	35		1.7
5:15	145	35		1.7
5:30	145	35		1.7
5:45	145	35		1.7
6:00	145	35		1.7
6:15	145	40		1.5
6:30	145	40		1.5
6:45	145	47		1.25
7:00	146	47		1.25
7:15	146	47		1.25
7:30	146	47		1.25
7:45	146	53		1.1
8:00	146	53		1.1
8:15	146	53		1.1
8:30	146	53		1.1
8:45	146	53		1.1
9:00	146	53		1.1
9:15	146	53		1.1
9:30	146	53		1.1
9:45	146	53		1.1
10:00	146	53		1.1
10:15	146	53		1.1
10:30	146	53		1.1
10:45	146	53		1.1
11:00	146	53		1.1



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: Bryan Inc Telephone #: 410-259-8924  
Address: 640 Kees M. II Rd  
Westminster MD 21159

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

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

Name (Print): Jim Bryan

License# 64802

\*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: Brenda Flengher Telephone #: 301-481-5852

Subdivision:

Lot #:

Well Tag #: HO-15-0268

01/02/2018 (4)

Site Address: 391 West Watersville Rd

MD 21159

Submersible Pump Data

Make: National  
Model #: 1/2 HP  
Pump Capacity: 5 GPM  
Well Yield: 1.5 GPM

Pitless Adapter

Make: American Grundy  
Model#: PT800  
Depth: 500 (36" min)  
NSF/WSC approved: ✓

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 500 (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 ✓

Piping to house

Type: 1" IPS  
PSI: 200 (160 psi min)  
Depth of supply line: 42" (36" min)

House Connection

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

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

3/28/18

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

Date Insp. Requested: 01/02/2018 Date Insp. Approved: 01/02/2018 Inspector: (4)

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 ✓

54" 01/02/2018 (4)

41" 01/02/2018 (4)

19" 01/02/2018 (4)

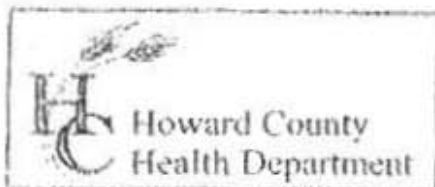
9" 01/02/2018 (4)

Ex House

01/02/2018 (4)

325'

\*  
Wk Inv.  
~4.75' from  
TOW



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](http://www.hchealth.org)

Penny E. Borenstein, M.D., M.P.H., Health Officer

### 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 VAN MAR ASSOCIATES,  
(professional land surveyor or company employing professional land surveyors)  
on 6-6-16 (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

611 Watersville Road  
Warren Residence

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

H0-15-0268

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

Well sites approved  
6/21/16 SC

Well sites staked  
by Van Mar  
Associates

ADC MAP: 08  
GRID: C-2

VICINI  
SCALE: 1  
TAX MAP: 2; GR

# GENERAL NOTES:

1. THE LOTS SHOWN HEREON COMPLY WITH THE AREA AS REQUIRED BY THE MARYLAND STATE REGULATIONS.
2. COORDINATES ARE BASED ON THE MARYLAND PROJECTED BY HOWARD COUNTY GEODETIC 02GB.

STA. 02HC N. 612,924.256  
STA. 02GB N. 614,978.569

3. THIS AREA DESIGNATES A 10,000 SQUARE FEET (OR SHARED DRAIN FIELDS ASSOCIATED WITH A REQUIRED BY THE MARYLAND STATE DEPARTMENT INDIVIDUAL SEWAGE DISPOSAL (COMAR 26. IN THIS AREA ARE RESTRICTED UNTIL PUBLIC EASEMENTS SHALL BECOME NULL AND VOID SEWAGE SYSTEM, THE COUNTY HEALTH OFF GRANT VARIANCES FOR ENCROACHMENTS II RECORDATION OF A MODIFIED SEWAGE EAS B.R.L. - REPRESENTS BUILDING RESTRICTION
4. □ REPRESENTS CONCRETE MONUMENT
5. ○ REPRESENTS IRON REBAR SET (UNLESS PUBLIC WATER AND SEWER ARE NOT AVAILABLE SEWER WILL BE PROVIDED UNTIL PUBLIC UTIL THE SUBJECT PROPERTY IS ZONED "RC-DEO" ZONING PLAN.
6. DRIVEWAYS SHALL BE PROVIDED PRIOR TO PERMIT FOR ANY NEW DWELLINGS TO INSURE EMERGENCY VEHICLES PER THE FOLLOWING:

- 1) WIDTH - 12' (16' SERVING MORE
- 2) SURFACE - 6" OF COMPACTED COATING (1-1/2" MIN.);
- 3) GEOMETRY - MAX. 15% GRADE, TURNING RADIUS;
- 4) STRUCTURES (CULVERTS / BRIDGE GROSS TONS (M25 LOADING);
- 5) DRAINAGE ELEMENTS - CAPABLE WITH NO MORE THAN ONE FOOT D
- 6) MAINTENANCE - SUFFICIENT TO IN

10. THIS PLAT IS BASED ON A FIELD RUN MONUMENT IN FEBRUARY, 1985 BY VANMAR ASSOCIATE
11. AREAS AS STATED ON THIS PLAT ARE TO BE OTHERWISE NOTED.
12. THIS PLAT IS IN COMPLIANCE WITH THE AMEN SUBDIVISION AND LAND DEVELOPMENT REGUL DEVELOPMENT OR CONSTRUCTION OF THIS L AND BUFFER REGULATION IN EFFECT AT THE BUILDING/GRADING PERMIT.
13. THERE ARE NO HISTORIC SITES, CEMETERIES PROPERTY.
14. DEVELOPER RESERVES UNTO ITSELF, ITS SUCCESS EASEMENTS SHOWN ON THIS PLAN FOR WATER PUBLIC UTILITIES LOCATED IN, ON OVER AND CONVEYANCES OF THE AFORESAID LOTS / PAR EASEMENTS HEREIN RESERVED, WHETHER OR CONVEYING SAID LOTS / PARCELS, DEVELOPER FOR THE EASEMENTS HEREIN RESERVED TO H OF THE PUBLIC UTILITIES AND THEIR ACCEPTA SHALL ACCEPT THE EASEMENTS AND RECORD LAND RECORDS OF HOWARD COUNTY.

1" = 100'

DONALD E. & SHIRLEY L. FLEMING  
L. 9626, P. 154  
EX. ZONING: RC-DEO  
LAND USE: AGRICULTURAL  
PARCEL: P10 10

DONALD E. & SHIRLEY L. FLEMING  
L. 9626, P. 154  
EX. ZONING: RC-DEO  
LAND USE: AGRICULTURAL  
PARCEL: P10 10

DONALD E. & SHIRLEY L. FLEMING  
L. 9626, P. 154  
EX. ZONING: RC-DEO  
LAND USE: AGRICULTURAL  
PARCEL: P10 10

MEETS ESD  
MENT IS

NOTE: ALL LOTS IN THIS SUBDIVISION ARE SUBJECT TO THE MHI



Fredericktowne  
ENVIRONMENTAL TESTING

Labs Inc.

3020 Verme Court • P.O. Box 245 • Myersville, MD 21773 • 800-332-7340 • FAX 301-295-2566  
www.fredericktownelabs.com • info@fredericktownelabs.com

## Certificate of Analysis

Acct. No. 11683 - 1-1

### Field Record

Site visit performed on: Tuesday, May 29, 2018 11:42 AM  
by: Dennis Crockett State ID No. 7975DC  
Affiliation: Fredericktowne Labs, Inc.  
Property Owner: NSB Enterprises  
Property Address: 591 W. Watersville Road  
Mt. Airy, MD 21771  
Sample Source: Pressure Tank  
Treatment Devices Noted: No Treatment Devices  
Well No.: HO-15-0268  
Field pH: 7.4  
Free Res. Cl.: <0.1 mg/l  
Temp: 14.1° C

### Laboratory Report

Sample Received at laboratory: 5/29/2018 1:25 PM

#### Bacteriological results:

		Start	End		
Total Colif. (/100ml)	E.coli. (/100ml)	Date	Time	Date	Time
<1	<1	05/29/18-13:41		05/30/18-07:59	
				Method	Analyst
				9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

#### Inorganic Chemical results:

Parameter	Result	Units	MCL	Date of Analysis	Method	Analyst
Nitrate-Nitrogen	9.4	mg/l	10	5/29/2018	300.0	PH
Sand	<2	mg/l	5	5/29/2018	0.065mm Filter	JD
Turbidity	1.9	NTU	<10	5/29/2018	180.1	KB

Reported by:

Name

Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory  
Maryland Cert. No. 116 Virginia Cert. No. 00444  
MDOT WBE Cert. No.: 91-158

5/30/2018 1:40:19 PM

Page 1 of 1  
No Regulatory Reports Required

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – DECEMBER 22, 2018**

June 22, 2018

Homeowner  
591 West Watersville Road  
Mt. Airy, MD 21771

**RE: Elm-Lee Farm, Lot 1  
591 W. Watersville Road  
Building Permit: B17003209  
Well Permit: HO-15-0268**

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 **1/4/2018**. Final approval of the well line connection to the dwelling was granted on **1/2/2018**. The well construction was completed on **7/20/2016**. Water samples were collected on **5/29/2018**.

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-15-0268. 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>

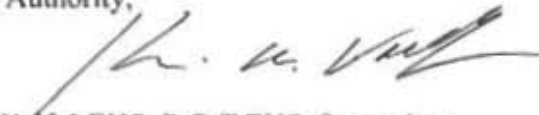


---

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,



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




## 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](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

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

### MEMORANDUM

TO: Kent Sheubrooks, Chief  
Dept. Planning & Zoning

FROM: Kevin M. Wolf, L.E.H.S., Supervisor   
Groundwater Mgmt. Sec.  
Well & Septic Program

DATE: August 4, 2016

RE: 'All-Wells-Drilled' -- F-16-058  
Elm Lee Farm Lot 1

---

The wells for the *Elm Lee Farm* have been drilled and received preliminary approval by the Health Department. The recordation of plat **F-16-058** should not be held up any longer due to issues involving well drilling. The developer of this project has fulfilled this prerequisite. If there are any questions involving this particular memorandum, I can be reached at (410) 313 – 2645 or [kwolf@howardcountymd.gov](mailto:kwolf@howardcountymd.gov)

KMW

C.c. Debbie VanSant, [DKV@vanmar.com](mailto:DKV@vanmar.com)  
File

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

\*\*\*\*\*  
WATER WELL HYDROFRACTURE REPORT  
\*\*\*\*\*

WELL TAG NUMBER H0-15-02 DATE WORK PERFORMED (mm/dd/yyyy) 07/20/2016

WELL SITE ADDRESS 611 W. Watersville Road

TAX MAP 2 BLK 14 PARCEL 10 LATITUDE 3 9.362361 LONGITUDE 77 -110489

CASING DEPTH 40 FT CASING TYPE (circle) ST OR PVC DIAMETER 6

WELL DEPTH 500 FT WATER LEVEL BEFORE FRAC 54 FT YIELD BEFORE FRAC 1/2 GPM

PACKER SETTINGS (circle) SINGLE or MULTIPLE SET DEPTH OF SHALLOWEST PACKER 80 FT

SOURCE OF WATER WSSC

OBSERVATIONS

SET NUMBER	TOP ZONE (FT)	BOTTOM ZONE (FT)	MAX PRESSURE (PSI)	WATER VOLUME USED (GALLONS)
1 <u>1</u>	<u>80</u>	<u>500</u>	<u>1300</u>	<u>1000</u>
2 <u>2</u>	<u>140</u>	<u>500</u>	<u>1300</u>	<u>1000</u>
3				
4				
5				

WATER LEVEL AFTER FRAC 54 FT YIELD AFTER FRAC 1.1 GPM

NOTE: YIELD TEST PROCEDURES CAN BE FOUND UNDER COMAR 26.04.04.26.G.

REGULATIONS FOR HYDROFRACTURING OF WATER WELLS CAN BE FOUND IN COMAR 26.04.04.28. FAILURE TO FOLLOW REGULATORY PROCEDURES WILL CONSTITUTE RECEIVING A WRITTEN VIOLATION WHICH MAY RESULT IN PENALTIES DESCRIBED IN COMAR 26.04.04.38.

This Notice is provided pursuant to 510-624 of the State Government Article of the Maryland code. The Personal Information Requested on this form is intended to be used in processing this form pursuant to COMAR 26.04.04. Failure to provide the information requested may result in the form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment ("MDE") is a public agency and subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and subject to inspection or copying, in whole or in part, by the public and other government agencies, if not protected by Federal or State law.

Bruce Thompson  
DRILLER SIGNATURE

JSD 038  
LIC #