

C119320

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

ST/CO USE ONLY
DATE Received
MM DD YY
8 13

DATE WELL COMPLETED
MM DD YY
9-18-13

Depth of Well
22 240 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
OK
8/7/15 SC 40-95-2577

OWNER
WELL SITE ADDRESS
SUBDIVISION

last name
4313 Cross County Rd
first name
TOWN
21104 City

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	
Top Soil	0	1	
Light Br. Sand	1	30	
Drk Br. Clay	30	60	
Weathered Rock	60	70	
Hard Br. Rock	70	120	
Med Gr. Rock	120	240	
2 closed rocks			

GROUTING RECORD
WELL HAS BEEN GROUTED
(Circle Appropriate Box)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS 26 NO. OF POUNDS 1360
GALLONS OF WATER 6.0
DEPTH OF GROUT SEAL (to nearest foot)
from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)

CASING RECORD
casing
types
insert
appropriate
code
below
MAIN
CASING
TYPE
Nominal diameter
top (main) casing
(nearest inch)
Total depth
of main casing
(nearest foot)
60 61 63 64 66 70
OTHER CASING (if used)
diameter depth (feet)
inch from to
EACH CASING

SCREEN RECORD
screen type
or open hole
insert
appropriate
code
below
DEPTH (nearest ft.)
1 2
E A C H S C R E E N
8 9 11 15 17 21
23 24 26 30 32 36
38 39 41 45 47 51
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60
from to

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

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

C3
PUMPING TEST
HOURS PUMPED (nearest hour)
8 9
PUMPING RATE (gal. per min.)
11 15
METHOD USED TO
MEASURE PUMPING RATE
WATER LEVEL (distance from land surface)
BEFORE PUMPING 17 20 ft.
WHEN PUMPING 22 25 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

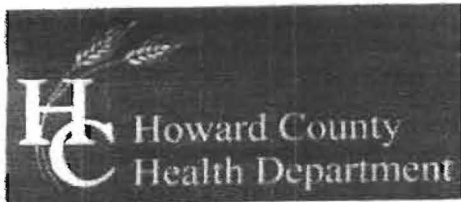
PUMP INSTALLED
DRILLER INSTALLED PUMP YES NO
(CIRCLE) (YES or NO)
IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS.
TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX 29
CAPACITY:
GALLONS PER MINUTE
(to nearest gallon)
31 35
PUMP HORSE POWER
37 41
PUMP COLUMN LENGTH
(nearest ft.)
43 47
CASING HEIGHT (circle appropriate box
and enter casing height)
+ above LAND SURFACE
- below (nearest foot)
49 50 51

LATITUDE 39.250663
LONGITUDE 76.864040
(DEFAULT COORD. WGS 84)
NOTES:
30' Artery

02-230240

EMERGENCY/TEMP NO. IF ANY

<p>B 1</p>	<p>21367</p>	<p>SEQUENCE NO. (MDE USE ONLY)</p>	<p style="text-align: center;">STATE OF MARYLAND</p> <p style="text-align: center;">APPLICATION FOR PERMIT TO DRILL WELL</p> <p style="text-align: center;">545110 please type</p>	<p style="text-align: center;">STATE PERMIT NUMBER</p> <p style="text-align: center;">40-95-2577</p> <p style="text-align: center;">fill in this form completely</p>
<p>OWNER INFORMATION</p> <p>Date Received (APA) 080213</p> <p>8 MM DD YY 13</p> <p>15 Last Name Owner First Name 34</p> <p>Merriam Walter R</p> <p>4313 Cross Country Dr</p> <p>36 Street or RFD 55</p> <p>Ellicott City Md 21042</p> <p>57 Town 70 State 72 Zip 76</p>			<p>B 3</p> <p style="text-align: center;">LOCATION OF WELL</p> <p>8 COUNTY 21</p> <p>Howard</p> <p>23 SUBDIVISION 42</p> <p>Centennial</p> <p>SECTION 4 LOT 38</p> <p>44 46 48 50</p> <p>Ellicott City</p> <p>52 NEAREST TOWN 71</p>	
<p>DRILLER INFORMATION</p> <p>Driller's Name 76 License No. 81</p> <p>John Ness MW D 553</p> <p>Firm Name</p> <p>Allied Environmental Svc</p> <p>Address</p> <p>PO Box 129, Annapolis Md 20701</p> <p>Signature Date 7/24/13</p>			<p>B 4</p> <p style="text-align: center;">SOURCES OF DRILLING WATER</p> <p>1. Public</p> <p>2. Public</p> <p>3. Public</p> <p>4313 Cross Country Dr</p> <p>11 STREET ADDRESS 30</p> <p>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)</p> <p>NORTH</p> <p>WEST EAST</p> <p>SOUTH</p> <p>34 125 37</p> <p>DISTANCE FROM ROAD</p> <p>ENTER FT OR MI 38 39</p> <p>TAX MAP: 0024 BLK: 0020 PARCEL: 0907</p>	
<p>B 2</p> <p style="text-align: center;">WELL INFORMATION</p> <p>APPROX. PUMPING RATE (GAL. PER MIN.)</p> <p>8 12</p> <p>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</p> <p>14 20</p>			<p style="text-align: center;">USE FOR WATER (CIRCLE APPROPRIATE BOX)</p> <p><input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION</p> <p><input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</p> <p><input type="radio"/> INDUSTRIAL, COMMERCIAL, DEWATERING</p> <p><input type="radio"/> PUBLIC WATER SUPPLY WELL</p> <p><input type="radio"/> TEST, OBSERVATION, MONITORING</p> <p><input type="radio"/> OPEN LOOP GEOTHERMAL</p> <p><input checked="" type="radio"/> CLOSED LOOP GEOTHERMAL 2 Loops</p>	
<p>APPROXIMATE DEPTH OF WELL 240 FEET</p> <p>24 28</p> <p>APPROXIMATE DIAMETER OF WELL 6 INCH</p> <p>NEAREST</p>			<p style="text-align: center;">NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</p> <p>Howard 13 Public</p> <p>COUNTY NAME COUNTY NO.</p> <p>STATE SIGNATURE INSERT S 41</p> <p>DATE ISSUED 8/15/2013 Brian Baker 8/15/2014</p> <p>43 MM DD YY 48 CO SIGNATURE EXP. DATE</p>	
<p style="text-align: center;">METHOD OF DRILLING (circle one)</p> <p>BORED (or Augered) JETTED Jetted & DRIVEN</p> <p>30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)</p> <p>37 CABLE REVERSE-ROTARY DRIVE-POINT</p> <p>other</p>			<p style="text-align: center;">PROPOSED LOCATION OF WELL ON LOT</p> <p>SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL</p>	
<p style="text-align: center;">REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</p> <p><input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL</p> <p><input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</p> <p>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</p> <p><input type="radio"/> THIS WELL WILL DEEPEM AN EXISTING WELL</p> <p>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52</p>			<p style="text-align: center;">Not to be filled in by driller (MDE OR COUNTY USE ONLY)</p> <p>APPROP. PERMIT NUMBER</p> <p>PERMIT No. 40-95-2577</p> <p>70 71 72 73 74 75 76 77 78 79</p>	
<p style="text-align: center;">SPECIAL CONDITIONS</p> <p>NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</p> <p style="text-align: center;">11+ Bags Per Borehole</p>				



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

TO ALL INTERESTED PARTIES

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

Well Site Location:
Centennial Merriam 38 Cross Country Dr
Subdivision/Property Name Lot# Road Name

- ☐ The well site has been staked by _____
(professional land surveyor or company employing professional land surveyors)
on _____ (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 3/11/05

CELEBRATING 14 YEARS OF SERVICE

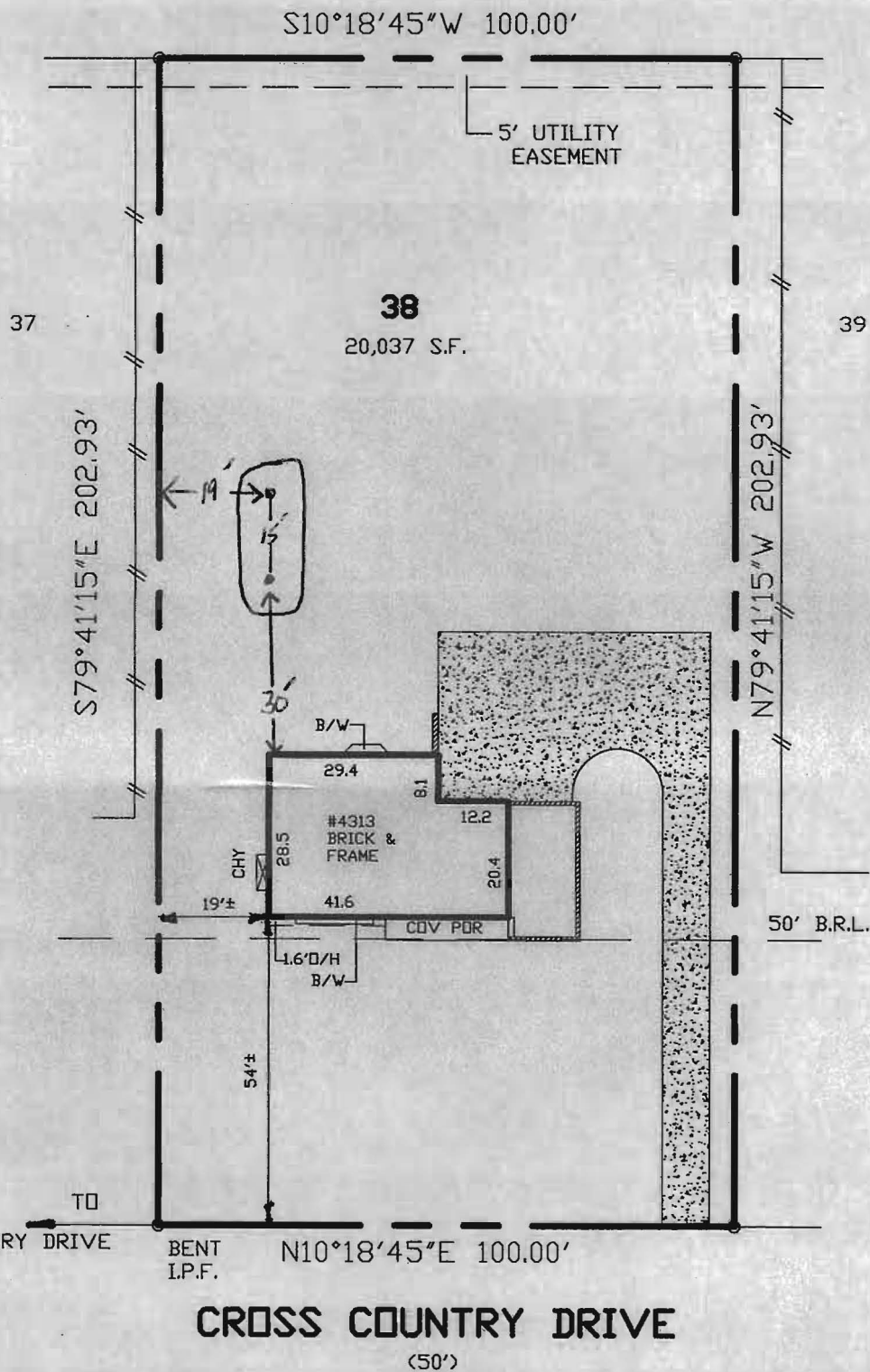


MILLENNIUM ENGINEERING, LLC
6805 COOLRIDGE DRIVE SUITE 203 TEMPLE HILLS, MARYLAND 20748
301-433-0888 301-433-0897 FAX
Email: millennengin@aim.com



LEGEND:

- WOOD FENCE
- CONC AREA



SURVEYOR'S CERTIFICATE



HOWARD COUNTY HEALTH DEPARTMENT

45110

CODES

DATE

8/2/13

WS

☐ CASH
☒ CHECK

Received From

For

Allied Environmental Services Inc.
Geothermal Well - 4313 Cross Country Drive
00/100

NO.

10584

One hundred sixty

Dollars

\$

160.00

Received By

[Signature]