

C1 2014 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.

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A59276-6

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 11 17 2008

Depth of Well 22 500 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-95-1704

OWNER Greenstad Joan TOWN Glenwood STREET OR RFD 155th last name Cottail Oaks first name SECTION LOT 6 SUBDIVISION Cottail

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 (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Entries: Sand 0 106, Gray Micaceous Rock 106 500.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N. TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC. NO. OF BAGS 36 NO. OF POUNDS 3284. GALLONS OF WATER 216 36 / 10.72. DEPTH OF GROUT SEAL (to nearest foot) 3.2.

CASING RECORD

Case types insert appropriate code below. MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 110.

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole insert appropriate code below. ST BR HO PL OT

DEPTH (nearest ft.)

DEPTH (nearest ft.) 40 108 500. A C H S R E E N. SLOT SIZE 1 2 3. DIAMETER OF SCREEN (NEAREST INCH) 56 60.

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

PUMPING TEST

HOURS PUMPED (nearest hour) 6. PUMPING RATE (gal. per min.) 2. METHOD USED TO MEASURE PUMPING RATE Bucket. WATER LEVEL (distance from land surface) BEFORE PUMPING 46 ft. WHEN PUMPING 410 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. 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 2 (nearest foot)

LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)

See attached

DRILLERS LIC. NO. 1 MS D224 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 MS D224

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

B 1 1058

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-1704

530230

please type

fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13

Ernstad Joan & Gregg

15541 Cattail Oaks

Hlenwood Md 21738

B 3 LOCATION OF WELL

Howard COUNTY

Cattail SUBDIVISION

SECTION 44 46 LOT 48 50

Hlenwood NEAREST TOWN

1 MILES FROM TOWN

DRILLER INFORMATION

Driller's Name: Joseph R. Mayne MS D 024

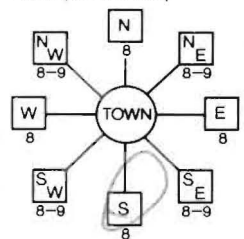
Firm Name: Joseph R. Mayne Well Drilling

Address: 5512 Ridge Rd Mt. Airy Md 21771

Signature: Joseph R. Mayne Date: 11-9-08

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



15541 Cattail Oaks NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



50 DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 21 BLK: 10 PARCEL: 63

B 2 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 (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 COUNTY NAME A59276-6 COUNTY NO.

DATE ISSUED 11/3/08 CO SIGNATURE EXP. DATE 11/7/09

NORTH GRID 524 000 EAST GRID 791 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT
other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 791 1 N 524 4

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 DEEPEMED AN EXISTING WELL

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

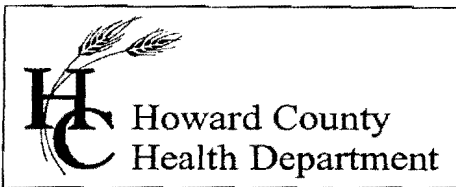
Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G PERMIT No. HO-95-1704

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



SPECIAL CONDITIONS



Bureau of Environmental Health  
7178 Gateway Drive Columbia, MD 21046  
(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  
August 3, 2009

Joan Evenstad  
15541 Cattail Oaks  
Glenwood, MD 21738

Re: Replacement Well  
15541 Cattail Oaks  
Well Permit HO#95-1704

Dear Ms. Evenstad:

The water sample result indicates that the water sample submitted for testing was **free of coliform and E. coli bacteria** at the time of sampling and is bacteriologically safe for drinking. In general, the water sample results were found to be in compliance with **COMAR** water quality standards.

#### INTERIM CERTIFICATE OF POTABILITY

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-95-1704**. No guarantee can be given for health protection beyond this date of issue. Based upon satisfactory investigation and evaluation, the **Howard County Health Department** as authorized by the Maryland Department of the Environment accepts this well system as required by **COMAR 26.04.04.09**.

This certificate may become final upon completion of the second bacteriological test which is to be taken by the county health department within (6) six months of receipt of this letter. Please contact our office at (410) 313-1773 to schedule a final water sample appointment.

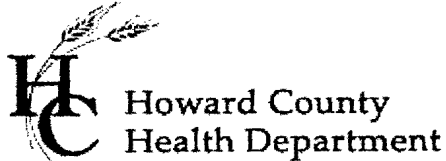
Date of Water Sample: July 9, 2009

Approving Authority,

Hank Oswald, Program Supervisor  
Community Hygiene Program

Date of Water Sample: July 9, 2009 (Bacteria, Nitrate & Turbidity)

Enclosures



Bureau of Environmental Health  
7178 Columbia Gateway Drive  
Columbia, MD 21046-2147  
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Peter L. Beilenson, M.D., M.P.H., Health Officer

July 24, 2009

JOAN EVENSTAD  
15541 CATTAIL OAKS  
GLENWOOD, MD 21738

**RE: Water Sample Results**  
**15541 CATTAIL OAKS**  
**Invoice #: Potability**

Dear JOAN EVENSTAD,

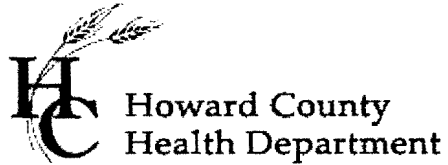
We have received the results from the testing of the water sample(s) taken from the above referenced property on July 09, 2009. A description of the results and the established standards for each test is included below. Standards such as maximum contaminant levels (MCL), secondary maximum contaminant levels (SMCL), and drinking water equivalency levels (DWEL) are established by the EPA and other agencies to provide a reference for determining when action should be taken. These standards help to improve the overall quality of your water or ensure that steps are taken to treat the water to prevent you and your family from getting sick. Typically, no water is completely free of contamination but you should be concerned if the level of contamination for a particular test exceeds the standard.

A sample was collected to determine the **Nitrate** level in your water supply. The nitrate level was 1.5 parts per million. The MCL for nitrate is 10.0 parts per million.

A **Turbidity** sample was collected to determine the amount of suspended particulates in your water supply. The turbidity level was <0.5 nephelometric turbidity units (NTU's). The MCL for turbidity is 10.0 NTU's.

The results from the **Bacteria** testing found that your well water sampled from the powder room faucet contains no bacteria at this time and is considered safe for all uses. According to drinking water standards there should be no bacteria present.

Please contact the Health Department at (410) 313-1792 between 8:30 a.m. and 4:30 p.m., Monday through Friday if you have any questions regarding these test results



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

Sincerely,



Hank Oswald, R.S.  
Community Hygiene Program

Enclosures