

B 1 33336

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-15-0128

556584 please type

fill in this form completely

Date Received (APR)

08/14/15

OWNER INFORMATION

Young ANNA/ Matthew
10746 Judy Lane
Columbia, MD 21044

LOCATION OF WELL

Howard County
0000
Columbia

DRILLER INFORMATION

Jeff Corran M W D 567
Chesapeake Geosystems, Inc.
6720 Fort Smallwood Rd. Balt 21226

SOURCES OF DRILLING WATER

1. municipal
2.
3.

10746 Judy Lane
ON WHICH SIDE OF ROAD
DISTANCE FROM ROAD
TAX MAP: 0041 BLK: 0011 PARCEL 0420

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) N/A
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
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 13
COUNTY NAME COUNTY NO.
STATE SIGNATURE
DATE ISSUED 08/26/2015
CO SIGNATURE R.R.T.
EXPIR. DATE 8/26/16

APPROXIMATE DEPTH OF WELL 320 FEET
APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

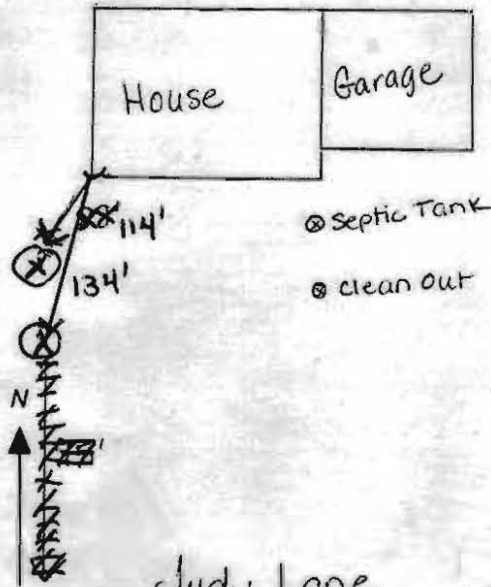
METHOD OF DRILLING (circle one)

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

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
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)

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



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

APPROP. PERMIT NUMBER G
PERMIT No. HO-15-0128

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Wells must be grouted from bottom to top.




Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org
Facebook: www.facebook.com/hocohealth
Twitter: HowardCoHealthDep

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

MEMORANDUM

TO: Matthew & Anna Young

FROM: Ryan Rappaport, LEHS 
Well & Septic Program

RE: Geothermal Well Permit: 10746 Judy Lane

DATE: August 27, 2015

The geothermal well permit application submitted to this office by Chesapeake Geosystems, Inc. is currently on hold. As per COMAR Well Regulations 26.04.04.34 (A) (2) any well shall be considered abandoned when the well has been permanently disconnected from any water supply system. After my site visit on 8/26/2015 it was determined that the well is currently not in service and as it stands may pose a health risk and could possibly be a contamination source to the groundwater supply.

The geothermal well permit cannot be issued until your existing well has been properly sealed and abandoned by a Maryland licensed well driller or is approved for irrigation use by this department. It is my understanding that you would like to use this well as an irrigation water supply for the property. I have attached the Howard County policy and procedure which details the requirements involved in completing this process. Please contact my office at 410-313-1771 to schedule an inspection once the work is completed to ensure that all the criteria are met.

You may also call this office at 410-313-1773 to schedule a bacteria water sample or have it privately tested by a Maryland Certified Water Testing Laboratory once the work is completed and before the final inspection.

Cc: File
Chesapeake Geosystems, Inc.

HOWARD COUNTY DEPARTMENT OF HEALTH

BUREAU OF ENVIRONMENTAL HEALTH

ADMINISTRATIVE POLICY AND PROCEDURE

1.0 PURPOSE:

Establish a procedure to define if wells may be retained at the time a property is connected to public water and how the individual water supply system is designed to prevent cross connection.

2.0 POLICY:

It is the policy of the Howard County Health Department to prevent cross connections between non-potable wells and the public water system.

3.0 AUTHORITY:

Howard County Code Sec. 3.906. - Cross connection prohibited.

There shall not be cross connection between an individual water supply system and other individual or public water supply systems.

Howard County Code Sec. 3.908. - Connection to public water system required.

(a)Public Water Connection. Except for property located outside the planned service area for water service and the Metropolitan District, wherever a water main for public use exists in any street or alley and directly abuts the property, the owner of all buildings constructed for human habitation, occupancy, or use shall connect to the public water main.

(b)Wells Prohibited. A well for potable use shall not be constructed on a property accessible to an adequate public water supply.

COMAR 26.03.01.05 Individual Water Supply and Individual Sewerage Systems.

The installation of individual water supply or individual sewerage systems shall be subject to the following requirements:

A. An individual water supply or individual sewerage system may not be permitted to be installed where an adequate community water or sewerage facility is available. If an existing community water or sewerage facility is inadequate or is not available, an interim individual water and sewerage system may be used as set forth in §B(1), (2), and (3), of this regulation.

Howard County Plan for Water and Sewerage 2011 Amendment (page 1-18) or future amendments within the Planned Service Area, regardless of when an "adequate community water and/or sewer system will be available, if the minimum lot size is three (3) acres a developer may utilize permanent on-site water supply and individual sewer systems.

4.0 DEFINITIONS:

Community water supply system means a source of water and a distribution system, including treatment and storage facilities, whether publicly or privately owned, serving two or more individual lots.

Individual water supply system means a single system of pipes, pumps, and tanks using a system of groundwater to supply only a single lot. An individual potable water supply system does not include a public community or nontransient, noncommunity water supply.

Well means any hole made in the ground to explore for ground water, to obtain or monitor ground water, or to inject water into any underground formation from which ground water may be produced.

5.0 PROCEDURE:

Wells may not be maintained as a potable individual water supply if the property is served by public water.

Wells may not be drilled within the Metropolitan District unless used for dewatering, cooling, heating or for monitoring groundwater unless public water is not adequate and available as determined by the Howard County Department of Public works or the lot size is three (3) acres or greater. Special cases such as hospitals, golf courses, nurseries, construction sites, farms, etc. shall be reviewed on a case by case basis.

Wells may be maintained as a non-potable individual water supply system in the Metropolitan District if all of following criteria are met.

- * 1. The well meets all pertinent setbacks and current construction standards.
- * 2. The well does not interfere with any sewage disposal areas on or off of the property.
- * 3. The well meets bacteria standards.
- * 4. There must be a physical break between the public water supply and the piping for the well. Valves are unacceptable as a physical break.
- * 5. No building may have an indoor faucet connected to the well. All faucets must be on the exterior and outside the buildings. Any other location must be approved by the Health Department.
- * 6. The visible water lines for the well must be painted red. All visible water lines for the well and other components of the individual water supply system must be clearly labeled non-potable.
- * 7. The well is not located in an area with groundwater contamination.
- * 8. The well must be mapped by the Health Department.

Wells not meeting these conditions shall be properly abandoned by a licensed well driller in accordance with COMAR 26.04.04.11. If a well that meets these conditions enters a state of disrepair, becomes contaminated, or is disconnected it shall be properly abandoned by a licensed well driller in accordance with COMAR 26.04.04.11. A permit for a replacement well shall be denied.

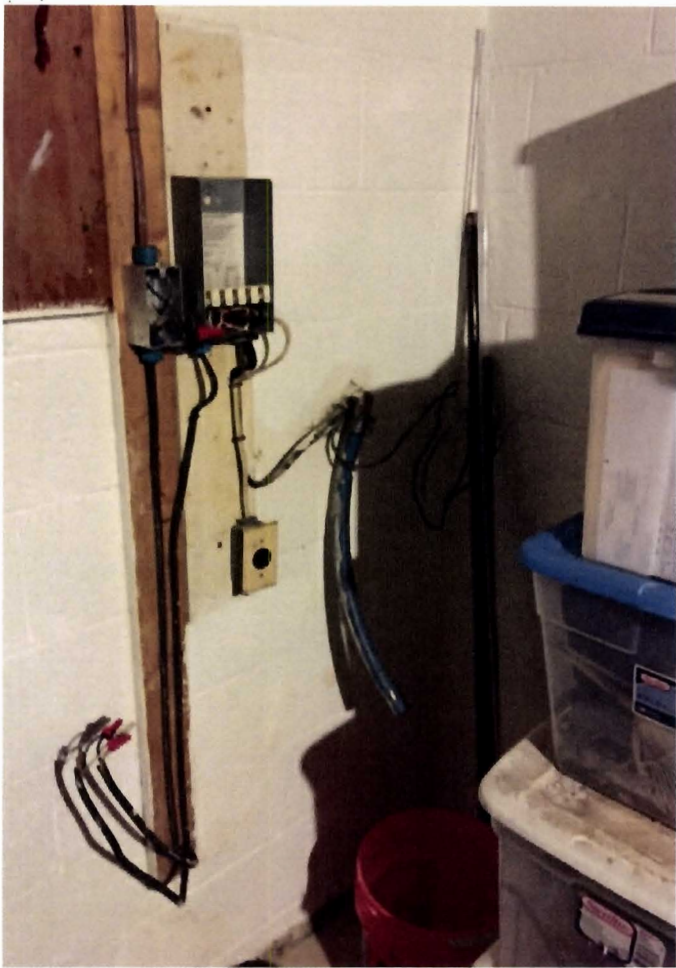
6.0 EFFECTIVE DATE:

The effective date of this administrative policy and procedure is March 16, 2012.

 3/16/12

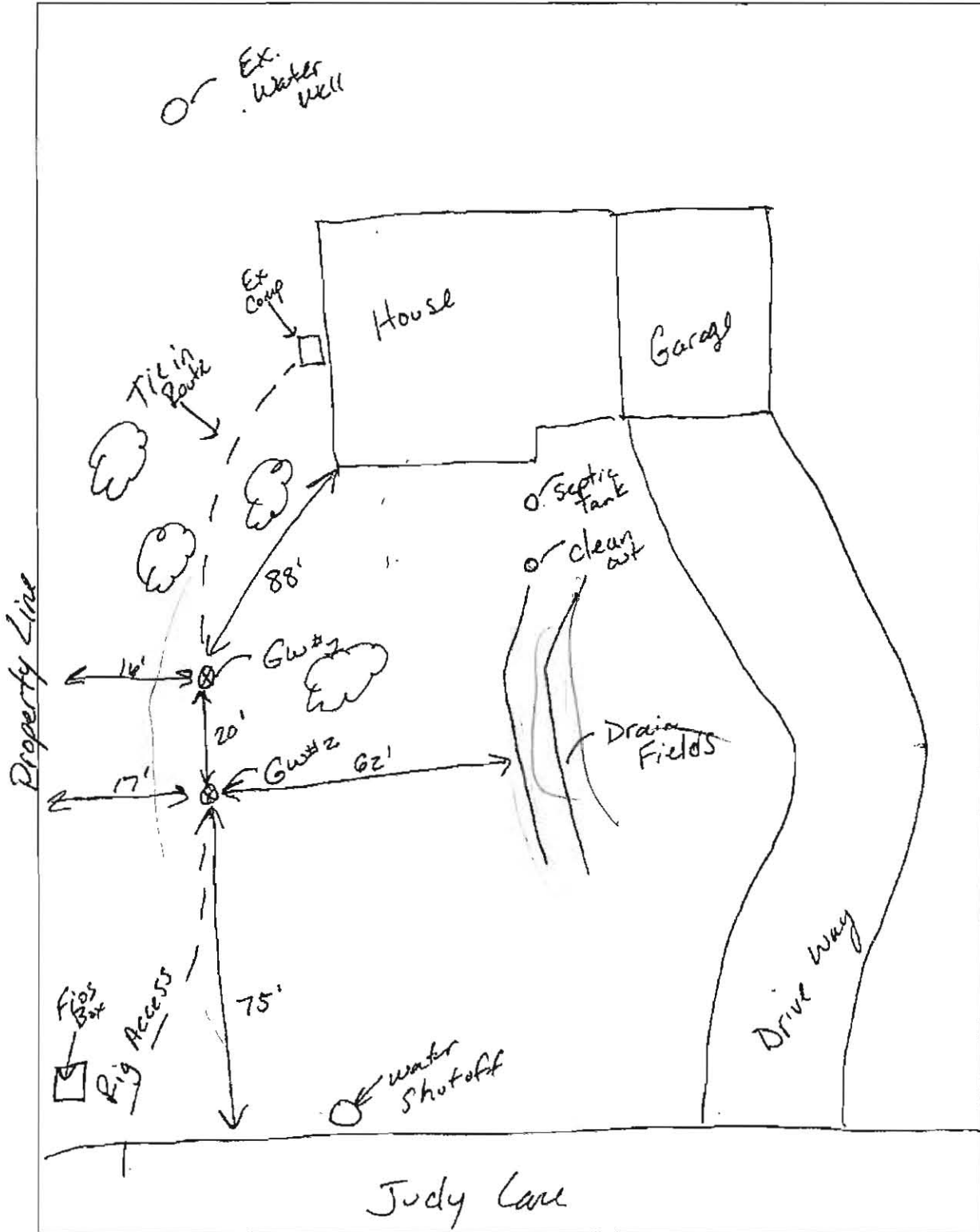
Michael J. Davis
Assistant Director
Bureau of Environmental Health

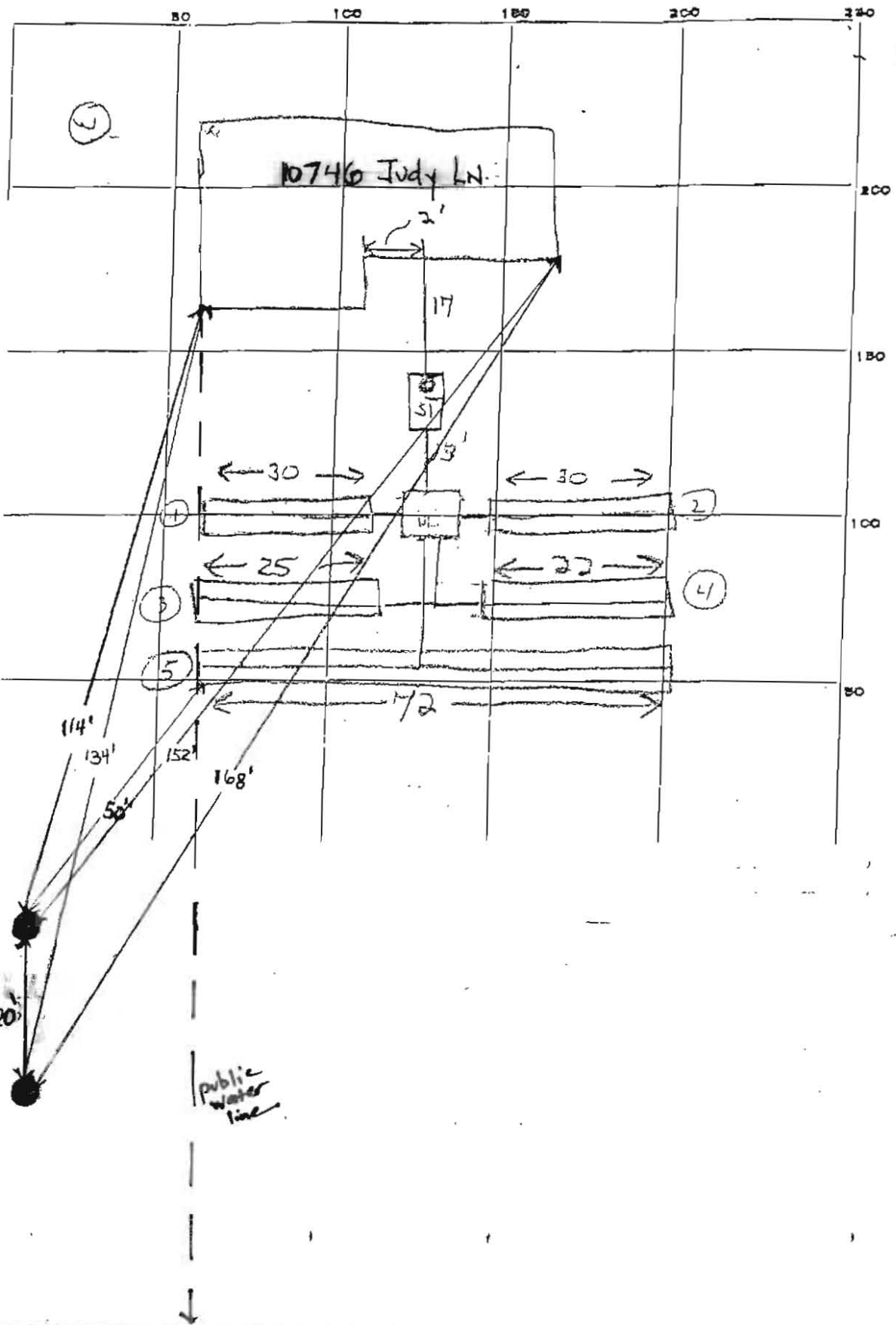
date



Well Drilling Solutions – Work Order

Sketch





Well sites
OK
RA 6/27/15

JUDY LANE

