

C1 08843

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

MM DD YY

MM DD YY

22 360 26 (TO NEAREST FOOT)

OK 4/12/15 SC 28 29 30 31 32 33 34 35 36 37

OWNER Kreh last name 9316 Woodledge Ct. first name Gary TOWN Laurel SUBDIVISION Gorman Woods SECTION LOT 3

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 FROM TO check if water bearing

Table with 3 columns: Description, Feet (From/To), and Check if water bearing. Rows include Silty Sand, Tr. Mica, Weathered Rock, Rock Hard, and Installed 1.25" Closed Loop Geothermal.

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 17 NO. OF POUNDS 220 GALLONS OF WATER 220 DEPTH OF GROUT SEAL (to nearest foot) from 3 ft. to 360 ft.

CASING RECORD

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 inch depth (feet) from to

SCREEN RECORD screen type or open hole (insert appropriate code below) ST STEEL BR BRASS PL PLASTIC HO OPEN HOLE OT OTHER

DEPTH (nearest ft.) 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

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) N/A PUMPING RATE (gal. per min.) N/A METHOD USED TO MEASURE PUMPING RATE N/A WATER LEVEL (distance from land surface) BEFORE PUMPING 100 ft. WHEN PUMPING N/A ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP 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 - below LAND SURFACE 3 (nearest foot)

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 CASING LOG INDICATOR OTHER DATA

LATITUDE 39.080207 LONGITUDE 76.501390 (DEFAULT COORD. WGS 84) NOTES: 17 bags @ 26 gal/bag = 442 gal/360' = 1.23 gal/ft

C1 08842

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Kreh, last name; Gary, first name; WELL SITE ADDRESS: 9316 Woodsedge Ct; TOWN: Laurel; SUBDIVISION: Gorman Woods; SECTION: ; LOT: 3

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Silty Sand, Tr. M. ca., Weathered Rock, and Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y); TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC); NO. OF BAGS: 17; GALLONS OF WATER: 220; DEPTH OF GROUT SEAL: 3 ft.

CASING RECORD: MAIN CASING TYPE: STEEL (ST); Nominal diameter: 60 inch; Total depth: 360 feet.

OTHER CASING (if used): diameter, depth (feet) from to

SCREEN RECORD: screen type or open hole: STEEL (ST), BRASS (BR), OPEN HOLE (HO); PLASTIC (PL), OTHER (OT)

DEPTH (nearest ft.) table with columns 1-21 and rows A-E

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

PUMPING TEST: HOURS PUMPED: N/A; PUMPING RATE: N/A; METHOD USED TO MEASURE PUMPING RATE: N/A; WATER LEVEL: 100 ft before, N/A ft when pumping.

PUMP INSTALLED: DRILLER INSTALLED PUMP: YES; TYPE OF PUMP INSTALLED: CENTRIFUGAL (C); CAPACITY: 31 GPM; PUMP HORSE POWER: 37; PUMP COLUMN LENGTH: 43 ft.

LATITUDE 39.080221; LONGITUDE 76.501366 (DEFAULT COORD. WGS 84)

NOTES: 17 bags x 26 gal/bag = 442 gal/360' = 1.23 gal/A

B 1	26349	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER HO - 14 - 0051 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) 6.13.14
8 MM DD YY 13

15 Last Name Kren Owner Gary First Name Gary 34
 36 9316 Woodsedge Ct Street or RFD 55
Laurel MD 20723 70 State 72 Zip 76


B 3 LOCATION OF WELL

8 COUNTY Howard 21
 23 SUBDIVISION Gorman Woods 42
 SECTION 44 46 LOT 3 48 50
 52 NEAREST TOWN Laurel 71

DRILLER INFORMATION

Driller's Name Samuel A. Connelly MWD 512 76 License No. 81
 Firm Name Connelly + Associates, Inc.
 Address 260 Interstate Ct. Frederick, MD 21704
 Signature Samuel A. Connelly Date 6/13/14

B 4 SOURCES OF DRILLING WATER

1 public 11 STREET ADDRESS 9316 Woodsedge Ct 30
 2. 3. 
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 34 120 37 DISTANCE FROM ROAD FT 38 39
 ENTER FT OR MI
 TAX MAP: 0047 BLK: _____ PARCE 0491

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

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

COUNTY NAME Howard COUNTY NO. 12
 STATE SIGNATURE _____ INSERT S →
 DATE ISSUED 6/30/14 CO SIGNATURE H. Oswald EXP. DATE 6/30/15
 43 MM DD YY 48

APPROXIMATE DEPTH OF WELL 360 FEET 24 28
 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

METHOD OF DRILLING (circle one)

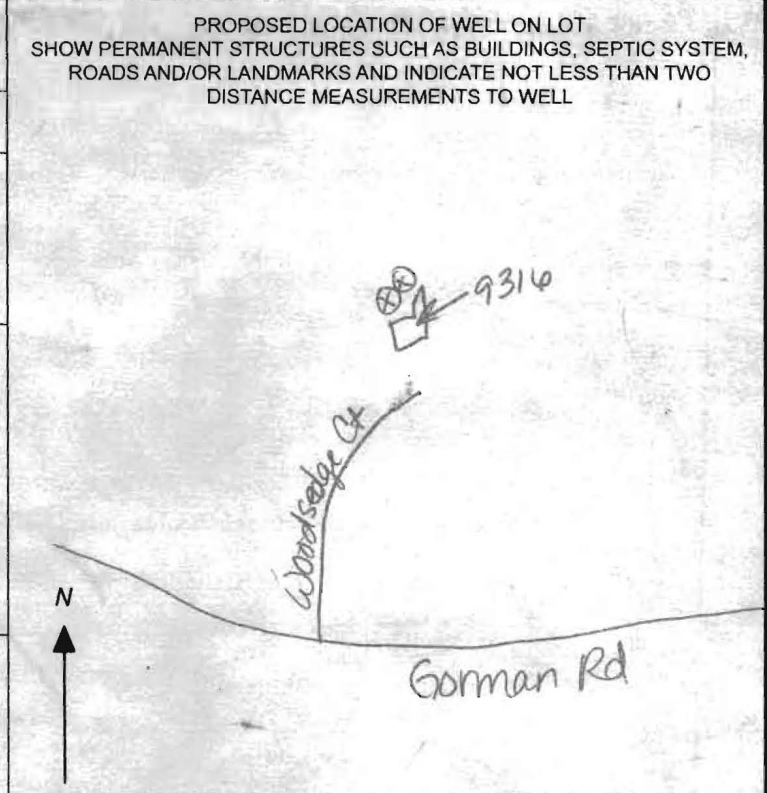
BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
 37 CABLE REVerse-ROTary DRive-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

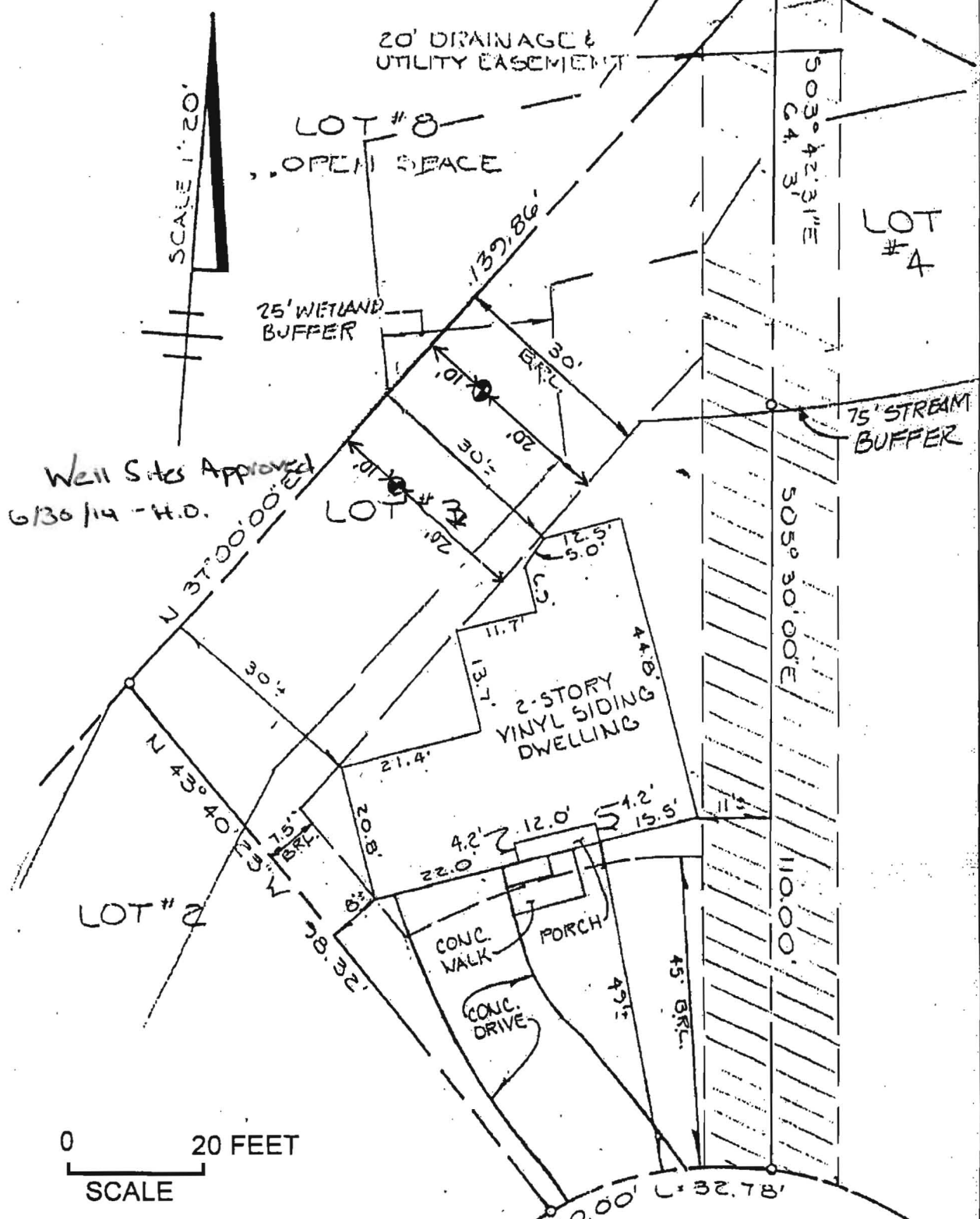
THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

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

APPROX. PERMIT NUMBER _____ G _____
 PERMIT No. HO - 14 - 0051
 70 71 72 73 74 75 76 77 78 79



* SPECIAL CONDITIONS All wells must be grouted from bottom to top
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

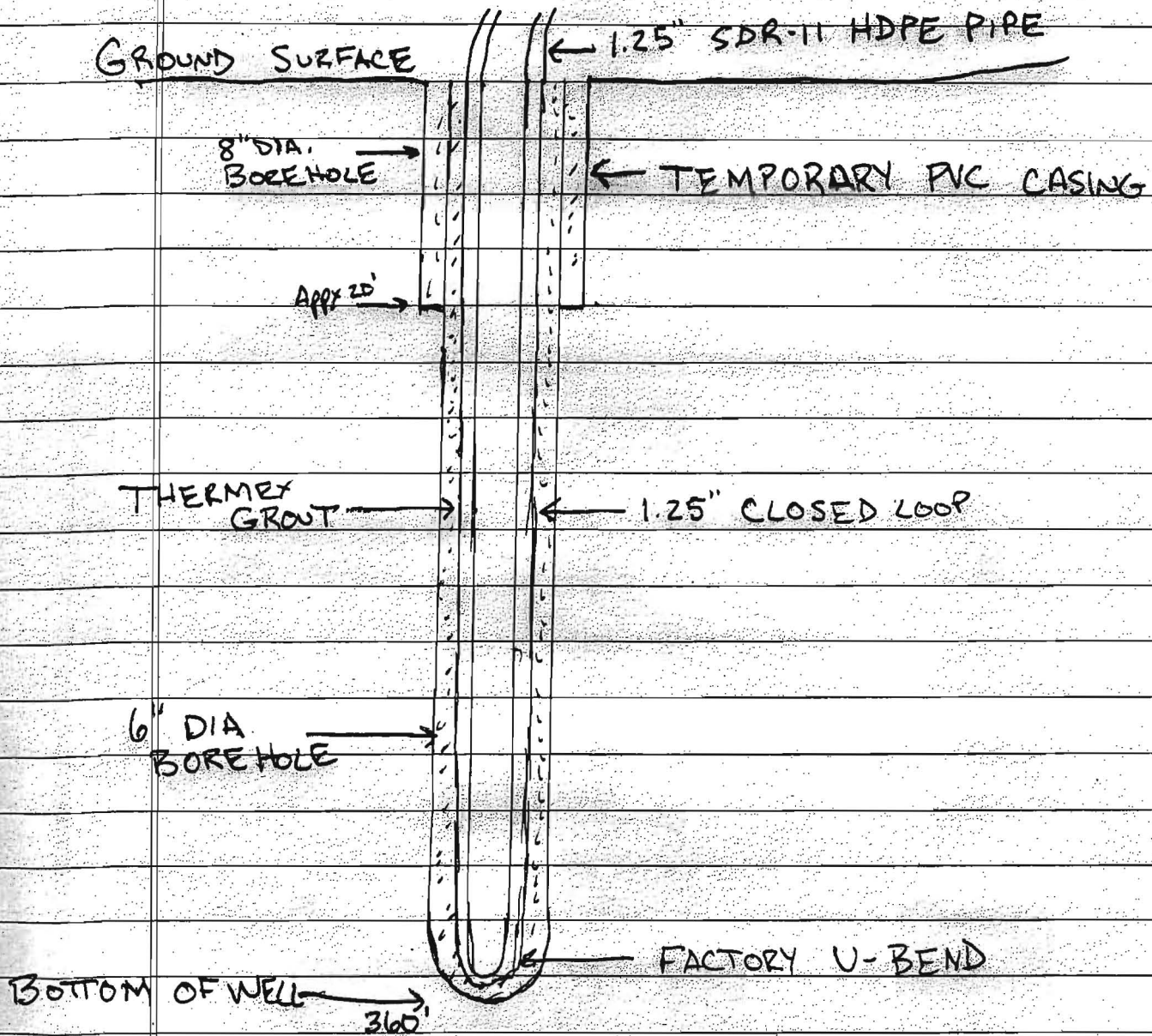


TOP OF FOUNDATION
ELEV.: 257.42'

BRL.: BUILDING RESTRICTION
LINE

NOTE: THIS PROPERTY IS NOT INCORPORATED

WOODS EDGE
COURT
(R/W)



Rappaport, Ryan

From: Emily Sottile [emily@connellygeothermal.com]
Sent: Thursday, June 26, 2014 1:05 PM
To: Rappaport, Ryan
Subject: RE: Kreh Residence - 9316 Woodsedge Ct
Attachments: How Co. Specs.pdf

Sharhonda told me on 6/13/14 she would enter it that day, when I told her it was a rush job. Attached is the schematic and the grout ratio is the same - Thermex grout mixture of 50 lb. grout to 17 gallons water, placed in the well using the tremmie method, from bottom to top.

Emily Sottile | direct: 301-305-0481



From: Rappaport, Ryan [mailto:RRappaport@howardcountymd.gov]
Sent: Thursday, June 26, 2014 11:03 AM
To: Emily Sottile
Subject: RE: Kreh Residence - 9316 Woodsedge Ct

Emily,

I checked our well log which normally tells us who is reviewing the permit application and this address isn't in there yet so I don't believe it has been assigned to anyone yet. The Well and Septic secretary, Sharhonda inputs everything once she receives it. I'll follow up with this and see if we have the application somewhere here in the office and see who Jeff Williams (supervisor) will assign it to. But if you don't hear back from me soon call Sharhonda to see what the status is, her phone number is 410-313-1771.

If the well schematic and grout info wasn't initially supplied with this permit application it will have to be. You can forward the info to me and I'll add it to the file. I've attached a memo that details what needs to be supplied with these permit applications. Call me if you have any questions.

Ryan Rappaport, L.E.H.S.
Howard County Health Department
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD. 21045
Phone (410) 313-1781
Fax (410) 313-2648
rrappaport@howardcountymd.gov
www.co.ho.md.us

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From: Emily Sottile [mailto:emily@connellygeothermal.com]
Sent: Thursday, June 26, 2014 10:30 AM

To: Rappaport, Ryan

Subject: Kreh Residence - 9316 Woodsedge Ct

Ryan,

Can you please check on the status of this permit? It is a rush job and we really need to start it soon. Let me know if you need a well schematic or grout info for this job as well.

Thank you,

Emily Sottile | Business Operations Manager | Connelly Geothermal | direct: 301-305-0481
emily@connellygeothermal.com | connellygeothermal.com | office: 301-696-8820 Ext. 19

