

C13593

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
13

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

DATE WELL COMPLETED
MM DD YY
05 23 2001

Depth of Well
22 405 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
OK SRK
6/9/01
HO 94 3105

OWNER
Long Tom & Pat
last name first name

STREET OR RFD
13043 Saint Patrick Court

TOWN
Highland

SUBDIVISION
White Oak Estates

SECTION

LOT
30

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

Dirt 0 1

Soft Br. Mica & Sand 1 31

Hard Br. Sandstone 31 44

Soft Br. Mica 44 61

Soft Br. Sandstone 61 77

Hard Blue Sandstone 77 84

Hard Blue Mica Schist 84 87

Hard Blue Sandstone 87 157

Hard Blue Mica Schist 157 161

Hard Blue Sandstone 161 238

Hard Blue Sandstone w/Schist 238 261

Hard Blue Mica Schist 261 262

Hard Blue Schist 262 265

Hard Blue Sandstone 265 304

Hard Blue Schist 304 374

Blue Mica 374 377

Hard Blue Schist 377 405

NUMBER OF UNSUCCESSFUL WELLS: 405 0

WELL HYDROFRACTURED
yes Y no N

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

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.

DRILLERS LIC. NO. 1 M WD 2961
Ronald Kyker
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. 1 M D 334
Sonia Kyker

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

GROUTING RECORD
yes Y no N
WELL HAS BEEN GROUTED (Circle Appropriate Box)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS 25 NO. OF POUNDS 2350
GALLONS OF WATER 150
DEPTH OF GROUT SEAL (to nearest foot)
from 48 0 TOP 52 ft. to 54 80 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)
S T 6 82
60 61 63 64 66 65 70

OTHER CASING (if used)
diameter inch depth (feet) from to
E A C H C A S I N G

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.)
T 2
1 H O 82 405
E A C H 8 9 11 15 17 21
S 23 24 26 30 32 36
C 3
R 38 39 41 45 47 51
E
N
SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH)
56 60
from to

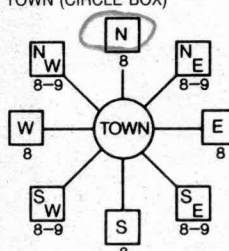
GRAVEL PACK
IF WELL DRILLED
WAS FLOWING WELL
INSERT F IN BOX 68

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

PUMPING TEST
HOURS PUMPED (nearest hour) 3
8 9
8.5
PUMPING RATE (gal. per min.) 11 15
METHOD USED TO MEASURE PUMPING RATE submersible
WATER LEVEL (distance from land surface)
BEFORE PUMPING 115 ft.
17 20
WHEN PUMPING 314 ft.
22 25
TYPE OF PUMP USED (for test)
A air P piston T turbine
27 27 27
C centrifugal R rotary O other (describe below)
27 27 27
J jet S submersible
27 27

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 2 (nearest foot)
49 50 51

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)
Saint Patrick Court
Septic

<div style="display: flex; justify-content: space-between;"><div>B.1.</div><div>4181</div></div> <div style="display: flex; justify-content: space-between;"><div>1 2 3 6</div><div></div></div>		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND PERMIT TO DRILL WELL <div style="font-size: small;">please print or type</div>		STATE PERMIT NUMBER <div style="font-size: small;">fill in this form completely</div> <div style="font-size: x-small;">70 79</div>	
<div style="display: flex; justify-content: space-between;"><div>Date Received (APA) 09/22/01 8 MM DD YY 13</div><div>OWNER INFORMATION</div></div> <div style="display: flex; justify-content: space-between;"><div>LONG 15 Last Name</div><div>TOM & PAT Owner</div><div>First Name 34</div></div> <div style="display: flex; justify-content: space-between;"><div>13043 SAINT PATRICK COURT 36 Street or RFD</div><div>55</div></div> <div style="display: flex; justify-content: space-between;"><div>HIGHLAND MARYLAND 57 Town</div><div>20777 70 State</div><div>72 Zip</div><div>76</div></div>				<div style="display: flex; justify-content: space-between;"><div>B.3</div><div>LOCATION OF WELL</div></div> <div style="display: flex; justify-content: space-between;"><div>HOWARD 8 COUNTY</div><div>21</div></div> <div style="display: flex; justify-content: space-between;"><div>WHITE OAK ESTATES 23 SUBDIVISION</div><div>42</div></div> <div style="display: flex; justify-content: space-between;"><div>SECTION 44 46</div><div>LOT 30 48 50</div></div> <div style="display: flex; justify-content: space-between;"><div>HIGHLAND 52 NEAREST TOWN</div><div>71</div></div> <div style="display: flex; justify-content: space-between;"><div>MILES FROM TOWN (enter 0 if in town)</div><div>1 M I 73 76 77 78</div></div>			
<div style="display: flex; justify-content: space-between;"><div>DRILLER INFORMATION</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>RONALD KYKER Driller's Name</div><div>MW D 296 76 License No.</div><div>81</div></div> <div style="display: flex; justify-content: space-between;"><div>WESTMINSTER ROTARY WELL DRILL INC Firm Name</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>P.O. BOX 861 WEST. MD. 21157 Address</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>Ronald Kyker Signature</div><div>MAY 16 01 Date</div></div>				<div style="display: flex; justify-content: space-between;"><div>B.4</div><div></div></div> <div style="display: flex; justify-content: space-between;"><div>1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)</div><div>ST. PATRICK COURT 11 NEAR WHAT ROAD 30</div></div> <div style="display: flex; justify-content: space-between;"><div></div><div>ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-around;"><div>NORTH N</div><div>WEST W</div><div>SOUTH S</div><div>EAST E</div></div></div></div> <div style="display: flex; justify-content: space-between;"><div>34 50 37 DISTANCE FROM ROAD ft</div><div>ENTER FT OR MI 38 39</div></div> <div style="display: flex; justify-content: space-between;"><div>TAX MAP: _____</div><div>BLK: _____</div><div>PARCEL: _____</div></div>			
<div style="display: flex; justify-content: space-between;"><div>B.2</div><div>WELL INFORMATION</div></div> <div style="display: flex; justify-content: space-between;"><div>APPROX. PUMPING RATE (GAL. PER MIN.)</div><div>5 8 12</div></div> <div style="display: flex; justify-content: space-between;"><div>AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)</div><div>500 14 20</div></div>				<div style="text-align: center;">NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</div> <div style="display: flex; justify-content: space-between;"><div>Howard COUNTY NAME</div><div>13 COUNTY NO.</div></div> <div style="display: flex; justify-content: space-between;"><div>STATE SIGNATURE</div><div>INSERT S → 41</div></div> <div style="display: flex; justify-content: space-between;"><div>DATE ISSUED 09/21/01</div><div>CO SIGNATURE</div><div>EXP. DATE</div></div> <div style="display: flex; justify-content: space-between;"><div>43 MM DD YY 48 NORTH GRID 494 000 55</div><div>57 63 EAST GRID 0810 000</div></div>			
<div style="text-align: center;">USE FOR WATER (CIRCLE APPROPRIATE BOX)</div> <div style="display: flex; justify-content: space-between;"><div><input checked="" type="radio"/> D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION</div><div><input type="radio"/> F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)</div></div> <div style="display: flex; justify-content: space-between;"><div>22 <input type="radio"/> I INDUSTRIAL, COMMERCIAL, DEWATERING</div><div><input type="radio"/> P PUBLIC WATER SUPPLY WELL</div></div> <div style="display: flex; justify-content: space-between;"><div><input type="radio"/> T TEST, OBSERVATION, MONITORING</div><div><input type="radio"/> G GEO-THERMAL</div></div>				<div style="display: flex; justify-content: space-between;"><div>APPROXIMATE DEPTH OF WELL 400 FEET 24 28</div><div>NEAREST INCH</div></div> <div style="display: flex; justify-content: space-between;"><div>APPROXIMATE DIAMETER OF WELL 6</div><div></div></div> <div style="text-align: center;">METHOD OF DRILLING (circle one)</div> <div style="display: flex; justify-content: space-between;"><div>BORED (or Augered)</div><div>JETTED</div><div>Jettied & DRIVEN</div></div> <div style="display: flex; justify-content: space-between;"><div>30 AIR-ROTary</div><div>AIR-PERCussion</div><div>ROTARY (Hydraulic Rotary)</div></div> <div style="display: flex; justify-content: space-between;"><div>37 CABLE</div><div>REVerse-ROTary</div><div>DRive-POINT</div></div> <div style="display: flex; justify-content: space-between;"><div>other</div><div></div></div>			
<div style="text-align: center;">REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</div> <div style="display: flex; justify-content: space-between;"><div><input type="radio"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL</div><div><input type="radio"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED</div></div> <div style="display: flex; justify-content: space-between;"><div>39 <input checked="" type="radio"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS</div><div><input type="radio"/> D THIS WELL WILL DEEPEN AN EXISTING WELL</div></div> <div style="display: flex; justify-content: space-between;"><div>PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41</div><div>52</div></div>				<div>SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X</div> <div>SOURCES OF DRILLING WATER 1. city 2. 3.</div> <div>WRITE THE BOX NUMBER FROM THE MAP HERE E 800 N 4904</div> <div>DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION St Patricks Court x old well</div> <div style="text-align: center;">N ↑ 5:10</div> <div style="border: 1px solid black; padding: 5px; display: inline-block;">Horse</div> <div style="margin-top: 10px;">x Septic</div>			
<div style="text-align: center;">Not to be filled in by driller (MDE OR COUNTY USE ONLY)</div> <div style="display: flex; justify-content: space-between;"><div>APPROP. PERMIT NUMBER 54</div><div>G A P 63</div></div> <div style="display: flex; justify-content: space-between;"><div>PERMIT No. 10-94-3105</div><div>70 71 72 73 74 75 76 77 78 79</div></div>							
<div style="text-align: center;">SPECIAL CONDITIONS</div> <div style="font-size: x-small;">NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -</div>							

FIELD DATA SHEET
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. HO-94-3105 Election District
Location of Property (road) 13043 Saint Patrick Court
Subdivision White Oak Estates Lot 30 Block Plat Sec.
Well Driller Dana Kyker Jr. III Owner Tom & Pat Long
Depth of Well 405 feet
Distance of Measuring Point (M.P.) above ground 2 feet
Static Water Level (S.W.L.) below M.P. 115 feet

I. High Rate Pumping -- reservoir drawdown
Time pump started 12:45 Pumping rate 10GPM
Total time 2hrs to reach pumping water level 300 ft. below M.P.

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

[illegible]

6/1/01
Anytime

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 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: _____ Telephone #: _____
Address: _____

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

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

Name (Print): _____ License# _____

***A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.**

Name of Property Owner: _____ Telephone #: _____
Subdivision: White Oak Estates Lot #: 30 Well Tag #: HO-94-3105
Site Address: 13043 St. Patricks Ct.

Submersible Pump Data

Make: _____
Model #: _____
Pump Capacity _____ GPM
Well Yield: _____ GPM

Pitless Adapter

Make: _____
Model#: _____
Depth: _____ (36" min)
NSF approved: _____

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: _____ (feet)

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required – Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt _____

Piping to house

Type: _____
PSI: _____ (160 psi min)
Depth of supply line: _____ (36" min)

House Connection

PVC sleeved to undisturbed soil at wall penetration: _____
Approximate length of sleeve: _____
Sleeve caulked and 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 _____

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

Date Insp. Requested: 6/1/01 Date Insp. Approved: 6/1/01 (SRV)
Inspection Data: Pitless adapter and 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 installed inside of well casing ☒
Correct well tag attached properly and casing 8" above finished grade ☒
Water supply line sleeved adequately at house connection existing
Adequate grout observed below pitless adapter ☒

(SEE REVERSE)



HOWARD COUNTY HEALTH DEPARTMENT

6751 Columbia Gateway Drive Columbia, MD 21046

(410) 313-6300 Fax (410) 313-6303

TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

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

May 31, 2002

Theodore & Esther Evans
13043 St. Patrick's Court
Highland, Maryland 20777

RE: **Replacement Well Issues**
White Oak Estates, Lot # 30
13043 St. Patrick's Court
Well Permit #: HO-94-3105

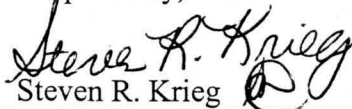
Dear Mr. & Mrs. Evans:

This office is notifying you that prior to you purchasing the property mentioned above, a replacement well was installed. It appears that the water was never sampled from this well. We are requesting that you contact the Community Environmental Health Program at (410) 313-1773 to schedule an initial water sampling for the referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). There is no charge for this sampling.

It is preferred that the sample be collected from the indoor primary drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

If you have any questions, or would like to discuss this matter further, please call me at (410) 313-2640. Thank you for your attention to these important matters.

Respectfully,



Steven R. Krieg
Registered Environmental Sanitarian
Well and Septic Program

cc: Community Environmental Health Program
File



HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
3525-H Ellicott Mills Drive, Ellicott City, Maryland 21043-4544
(410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

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

May 31, 2002

Tom & Pat Long
13043 St. Patrick's Court
Highland, Maryland 20777

RE: **Replacement Well Issues**
White Oak Estates, Lot # 30
13043 St. Patrick's Court
Well Permit #: HO-94-3105

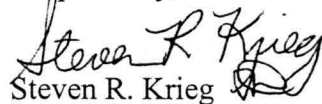
Dear Mr. Columbo:

This office is requesting that you contact the Community Environmental Health Program at (410) 313-1773 to schedule an initial water sampling for the referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). There is no charge for this sampling.

It is preferred that the sample be collected from the indoor primary drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

If you have any questions, or would like to discuss this matter further, please call me at (410) 313-2640. Thank you for your attention to these important matters.

Respectfully,


Steven R. Krieg

Registered Environmental Sanitarian
Well and Septic Program

cc: Community Environmental Health Program
File

SITE INSPECTION SHEET

410 886-1811

OWNER: Tom & Pat Long

DATE REQUESTED: 5/17/01

PHONE #: _____

CONTRACTOR: Westminster Rotary

ADDRESS: 13043 St. Patrick's Court
Highland, MD

WELL TAG #: H10-94-3105

COUNTY #: _____

PROPOSAL: Ex. well has gone dry but they want to keep it as
a standby. Meet Driller at ~~10:00~~ 12 pm

LOCATION DIAGRAM

COMMENTS: Site approved by phone. DIC

DATE: _____ INSPECTOR: _____