

C1 06627 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER A510157

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY 08 25 99

Depth of Well 22 265 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 94 - 2310

OWNER BRS Developers last name first name TOWN Long Corner STREET OR RFD Long Corner Rd. SUBDIVISION Willets Property SECTION LOT Parcel A

WELL LOG Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Brown Shale, Blue Shale, etc.

GROUTING RECORD Form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS 12, NO. OF POUNDS 1200, GALLONS OF WATER 22, DEPTH OF GROUT SEAL 30+

CASING RECORD Form: casing types (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter 6, Total depth of main casing 42

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

SCREEN RECORD Form: screen type (ST, BR, HO, PL, OT), DEPTH (nearest ft.) 41

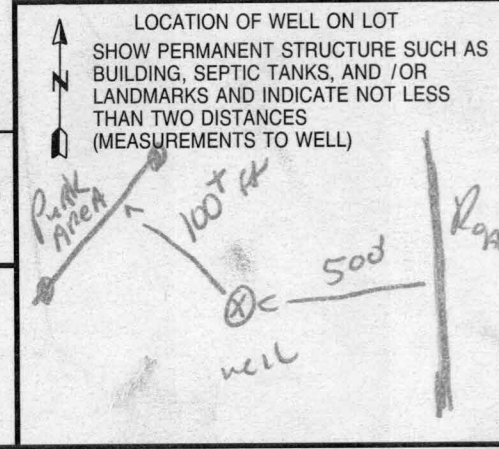
DEPTH (nearest ft.) Form: 1 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51

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

MDE USE ONLY Form: T (E.R.O.S.), W Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA

PUMPING TEST Form: HOURS PUMPED 3, PUMPING RATE 4, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL BEFORE PUMPING 59 ft, WHEN PUMPING 105 ft, TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED Form: DRILLER WILL INSTALL 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 I (nearest foot)



NUMBER OF UNSUCCESSFUL WELLS: 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 S D 116 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 M S D 112

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

B 1 7843  
SEQUENCE NO. (MDE USE ONLY)  
1 2 3 6

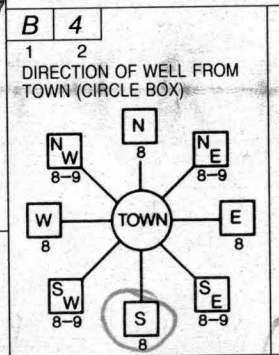
STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
H0 - 94 - 2318  
70 fill in this form completely 79

Date Received (APA) 5/19/99  
8 MM DD YY 13  
OWNER INFORMATION  
BRS DEVELOPERS LLC  
15 Last Name Owner First Name 34  
8808 CENTRE PARK Drive Suite 209  
36 Street or RFD 55  
Columbia MD 21045  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
Howard  
8 COUNTY 21  
The Willets Property  
23 SUBDIVISION 42  
SECTION 44 46 LOT Parcel A  
52 NEAREST TOWN 71  
MILES FROM TOWN (enter 0 if in town) 1 MI  
73 76 77 78

DRILLER INFORMATION trans to R. Mayne  
MICHAEL BARLOW MWD 355 8/2/99  
Driller's Name 76 License No. 81 MR  
MICHAEL BARLOW WELL Drilling Inc  
Firm Name  
912 Fawn COURT. Joppa MD 21085  
Address  
[Signature] 5/18/99  
Signature Date



Long Coener Rd  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH [ ] EAST [ ]  
WEST [ ] SOUTH [ ]  
34 500 37  
DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP: 6 BLK: 21 PARCEL 55

B 2 WELL INFORMATION  
APPROX. PUMPING RATE 5  
(GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED 500  
(GAL. PER DAY) 14 20

NOT TO BE FILLED IN BY DRILLER  
HEALTH DEPARTMENT APPROVAL  
Howard A510157-AD  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE \_\_\_\_\_ INSERT S → 41  
DATE ISSUED 07/13/99 Mark E. Riffin 10/7/13/99  
43 MM DD YY 48 CO SIGNATURE EXP. DATE  
NORTH GRID 542 000 EAST GRID 754 000  
50 55 57 63

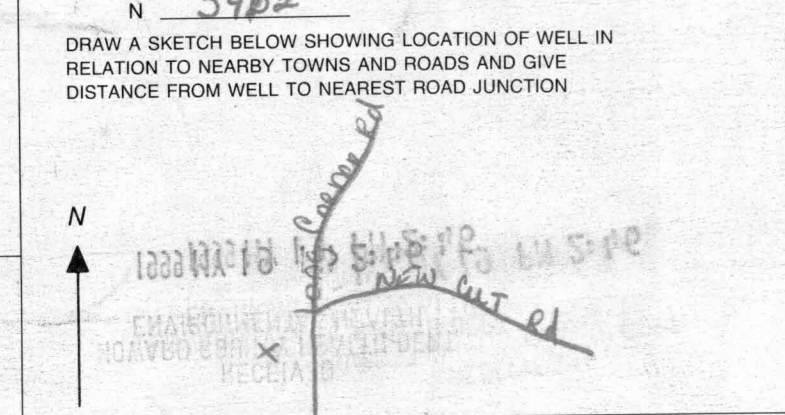
USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
22  I INDUSTRIAL, COMMERCIAL, DEWATERING  
 P PUBLIC WATER SUPPLY WELL  
 T TEST, OBSERVATION, MONITORING  
 G GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET  
24 28  
APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
WRITE THE BOX NUMBER FROM THE MAP HERE  
E 7504 000  
N 5402 000

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 DEEPEINED 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  
39  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 DEEPEIN AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 \_\_\_\_\_ 52



Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROX. PERMIT NUMBER 54 \_\_\_\_\_ G A P 63  
PERMIT No. H0 - 94 - 2318  
70 71 72 73 74 75 76 77 78 79

**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 94-2318  
 Location of property (road) Long Corner Rd near New Cut Rd.  
 Subdivision Wilets Property Lot A Block      Plat      Sec.       
 Well Driller      Owner BRS Developers

Depth of well 265' RALPH MAYNE  
 Distance of measuring point (M.P.) above ground 1' R  
 Static water level (S.W.L.) below M.P. 59' R

**I. High rate pumping -- reservoir drawdown**

Time pump started 9:30 Pumping rate 126 PM  
 Total time 15 min to reach pumping water level 105 ft. below M.P.

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

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill <u>5</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	105 ft	15 Sec		4 ft
10:00	105 ft	15 Sec		4 ft
10:15	105 ft	15 Sec		4 ft
10:30	105 "	15 "		4 "
10:45	105 "	15 "		4 "
11:00	105 "	15 "		4 "
11:15	105 ft	15 Sec		4 ft
11:30	105 ft	15 Sec		4 ft
11:45	105 ft	15 Sec		4 ft
12:00	105 "	15 "		4 "
12:15	105 "	15 "		4 "
12:30	105 ft	15 Sec		4 ft
12:45	105 ft	15 Sec		4 ft

**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) !!!!! COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.**

Company Name: WTC III Plumbing & Heating Telephone #: 410 489-4457  
Address: 1820 Gillis Falls Rd Woodbine Md 21797

(Must circle one) Licensed Plumber                      Licensed Well Driller                      Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:

Name (print): William T Cumberland III License# 7979

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

Name of Property Owner: TAKACS Telephone #: \_\_\_\_\_  
Subdivision: Wileys Lot #: A Well Tag #: HO-94-2318  
Site Address: 1900 Long Corner Rd

<u>Submersible Pump Data</u>	<u>Pitiless Adapter</u>	<u>Well Cap and Electric Conduit Make:</u>
Make: <u>Myers</u>	Make: <u>Campbell</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>3ST52-8</u>	Model#: <u>B10 X</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity _____	GPM Depth:- <u>(36" min)</u>	Cap secured to casing: <u>YES</u>
Well Yield: <u>GPM</u>	NSF approved: <u>YES</u>	Conduit min 18" B.G.: <u>YES</u>

Depth of well encountered at time of pump installation: \_\_\_\_\_ (feet) Conduit secured to well cap:- 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 -**

<u>Piping to House</u>	<u>House Connection</u>
Type: <u>Plastic</u>	PVC sleeved to undisturbed soil at wall penetration <u>yes</u>
PSI: <u>160</u> (160psi Min)	Approximate Length of sleeve <u>5ft</u>
Depth of supply line: <u>48</u> (36" min)	Sleeve sealed and calked properly: <u>yes</u>

**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: [Signature] Date: 10-2-01

**For Health Department Use Only -Not to be completed by Installer**

Date Insp. Requested: 10/2/01 Date Insp. Approved: 10/9/01 (BB) SRM  
Inspection Data: Pitless adapter and water supply line at least 36" below grade ✓  
Two piece cap installed and attached to casing securely Pump Not Installed (BB)  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓  
Safety rope installed inside of well casing Pump Not Installed  
Correct well tag attached properly and casing 8" above finished grade ✓  
Water supply line sleeved adequately at house connection ✓  
Adequate grout observed below pitless adapter ✓

725

WELL TO BE ABANDONED

RESOLVED  
566 NOTED  
566 LOW.

(CW) MTD2

MtB2

PRESERVATION PARCEL A  
1,133,655 SQ. FT.  
OR  
26.03 ACRES

MtC2

LOT 1  
60,000 SQ. FT.

MtC2

N22°13'52"E  
132.00'

TAX MAP 6  
PARCEL 74  
HEIDI FOREST MYER  
CHARLES RANDALL BARNES  
LIBER 3198, FOLIO 663

TAX MAP 6  
PARCEL 143  
ROGER J. STEVENS &  
MARY H. DUKEHART  
LIBER 4053, FOLIO 404

JACK L. BROCKMAN  
SUB  
LOT 3  
PLAN No. 5692

WELL ASSUMED  
LOCATED IN TH

CENTERLINE

568°42'41"W  
290.77'

N63°28'54"E

7/19/99 WSI required for Parcel A. Driller abandonment report on file. 7/19/99  
WSI stake is in same general direction from house but 25-30' farther away. o.g. BB

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENT AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

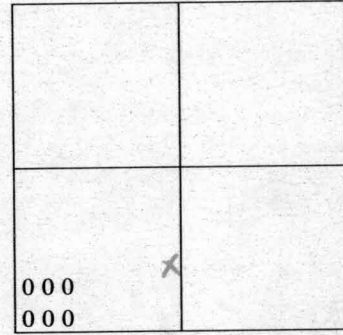
DATE WELL ABANDONED: 5-10-99 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL \_\_\_\_\_

\* PERSON ABANDONING WELL: Max Jones (Stray) WELL DRILLERS LICENSE NUMBER: 355  
 \* OWNER'S NAME: Arthur J. Willets Property of Michael Barlow Well Drilling CIRCLE: MWD/MSD/MGD  
Thomas Grimmer 838-6910

\* WELL LOCATION: Longcorner Rd  
 COUNTY: Howard  
 NEAREST TOWN: Longcorner  
 TAX MAP 6 BLOCK 21 PARCEL 55  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_  
 NEAREST ROAD: New Cut Road



SHOW WELL LOCATION BY X WITHIN BOX

MARYLAND GRID COORDINATES  
 BOX NUMBER E 760  
 N 550

\* TYPE OF WELL BEING ABANDONED:  
 DRILLED \_\_\_\_\_ JETTED \_\_\_\_\_  
 \_\_\_\_\_ BORED/AUGURED \_\_\_\_\_ HAND DUG \_\_\_\_\_  
 \_\_\_\_\_ OTHER (specify) \_\_\_\_\_

\* USE CODE:  
 DOMESTIC \_\_\_\_\_ MUNICIPAL/PUBLIC \_\_\_\_\_  
 \_\_\_\_\_ IRRIGATION \_\_\_\_\_ INDUSTRIAL \_\_\_\_\_  
 \_\_\_\_\_ TEST/OBSERVATION \_\_\_\_\_

\* TYPE OF CASING:  
 \_\_\_\_\_ STEEL \_\_\_\_\_ PLASTIC \_\_\_\_\_  
 \_\_\_\_\_ CONCRETE \_\_\_\_\_ OTHER (specify) tile-ceramic casing

\* SIZE OF CASING: 5 5/8 INCHES IN DIAMETER

\* DEPTH OF WELL: 102 FEET DEEP

\* WAS ANY CASING REMOVED? \_\_\_\_\_ YES  NO  
 if yes, length removed, in feet: \_\_\_\_\_

\* WAS CASING RIPPED OR PERFORATED? \_\_\_\_\_ YES  NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Bentonite - CLAY HOLE PLUG	10'	102'
Cement grout	5'	10'
Well in pit pit left open	0'	5'

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN [Signature] LICENSE # 355 CIRCLE ONE DATE 5-10-99