

C 1 06628 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER A510157-A

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

DATE WELL COMPLETED 08 14 93 DATE RECEIVED 08 13 DEPTH OF WELL 405 PERMIT NO. HO 94 - 2319

OWNER BRS Developers STREET OR RFD Long Corner Rd. near New Cut TOWN Long Corner SUBDIVISION Wilets Property SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown Slate, Blue Slate, and Blue Slate.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BENTONITE CLAY, BIC), NO. OF BAGS 14, NO. OF POUNDS 140, GALLONS OF WATER 84, DEPTH OF GROUT SEAL 0 to 30 ft.

CASING RECORD: MAIN CASING TYPE ST, Nominal diameter 6, Total depth of main casing 40 ft.

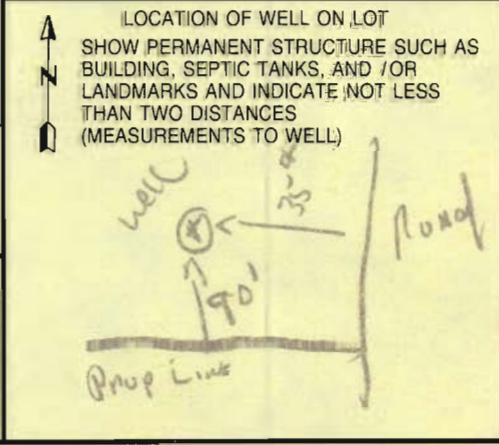
OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD: screen type or open hole (HO), insert appropriate code below

DEPTH (nearest ft.) table with columns 1-21 and 23-36. Includes slot size and diameter of screen information.

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 2 gal. per min., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 57 ft. before pumping, 230 ft. when pumping.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP (NO), TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE 31-35, PUMP HORSE POWER 37-41, PUMP COLUMN LENGTH 43-47.



NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P), I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04...

DRILLERS LIC. NO. M SD 114, DRILLERS SIGNATURE, MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER), TELESCOPE CASING, LOG INDICATOR, OTHER DATA

B 1 7841 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

40-94-2319 fill in this form completely

Date Received (APA) 5/19/99 OWNER INFORMATION BRS DEVELOPERS, LLC 8808 CENTRE PARK Drive Suite 209 Columbia MD 21045

LOCATION OF WELL HOWARD COUNTY The WILLETS PROPERTY Long Corner

DRILLER INFORMATION MICHAEL BARLOW trans. to R. Mayne M D 355 8/2/99

DIRECTION OF WELL FROM TOWN (CIRCLE BOX) S ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) Long Corner Rd. DISTANCE FROM ROAD 35 FT TAX MAP: 6 BLK: 21 PARCEL 55

WELL INFORMATION APPROX. PUMPING RATE 5 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 500 (GAL. PER DAY)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard A510157-A COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 07/13/99 CO SIGNATURE EXP. DATE 7/13/00 NORTH GRID 542 000 EAST GRID 755 000

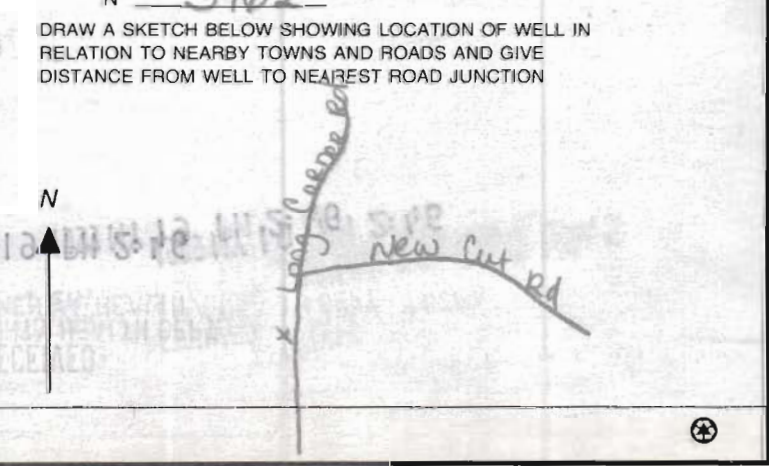
USE FOR WATER (CIRCLE APPROPRIATE BOX) D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, DEWATERING P PUBLIC WATER SUPPLY WELL T TEST, OBSERVATION, MONITORING G GEO-THERMAL

APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH 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 7505 N 5402

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) 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 DEEPEN 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) APPROP. PERMIT NUMBER 54 G A P 63 PERMIT No. 40-94-2319

SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2319
 Location of property (road) Long Corner Rd. near New Cut Rd.
 Subdivision Wilets Property Lot 1 Block _____ Plat _____ Sec. _____
 Well Driller [Redacted] Owner BRS Developers

Depth of well 405' Ralph MAYNE
 Distance of measuring point (M.P.) above ground 1'
 Static water level (S.W.L.) below M.P. 57'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 12 GPM
 Total time 30 min to reach pumping water level 230 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>3</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	230 <u>HA</u>	30 Sec		2 GPM
8:45	230 <u>HA</u>	30 Sec		2 GPM
9:00	230 <u>HA</u>	30 Sec		2 GPM
9:15	230 "	30 "		"
9:30	230 "	30 "		"
9:45	230 "	30 "		"
10:00	230 <u>HA</u>	30 Sec		2 GPM
10:15	230 <u>HA</u>	30 Sec		2 GPM
10:30	230 <u>HA</u>	30 Sec		2 GPM
10:45	230 "	30 "		"
11:00	230 "	30 "		"
11:15	230 "	30 "		"
11:30	230 <u>HA</u>	30 Sec		2 GPM
11:45	230 <u>HA</u>	30 Sec		2 GPM
12:00	230 <u>HA</u>	30 Sec		2 GPM
12:15	230 "	30 "		"
12:30	230 "	30 "		"
12:45	230 "	30 "		"
1:00	230 <u>HA</u>	30 Sec		2 GPM
1:15	230 <u>HA</u>	30 Sec		2 GPM
1:30	230 <u>HA</u>	30 Sec		2 GPM
1:45	230 "	30 "		"
2:00	230 "	30 "		"
2:15	230 <u>HA</u>	30 Sec		2 GPM
2:30	230 <u>HA</u>	30 Sec		2 GPM

**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: Michael P. Gartland Telephone #: (410) 549-1755
Address: 6984 Bunkles Rd
Mt. Airy MD 21771

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

Name (Print): Michael Gartland License# 6353

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

Name of Property Owner: KEVIN BIDEN Telephone #: DAY - 410-977-8425
Subdivision: WILETS PROPERTY Lot #: 2 Well Tag #: HO -
Site Address: 1930 LONGSPRING Rd MT. Airy MD 21771

Submersible Pump Data

Make: Jucosel
Model #: 2445079004
Pump Capacity 7 GPM
Well Yield: GPM

Pitless Adapter

Make: APAC Grunly
Model #: PT 800
Depth: 42" (36" min)
NSF approved:

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 990 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors, Cable guards, other - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt NO

Piping to house

Type: Plastic
PSI: 180 (160 psi min)
Depth of supply line: 42 (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: YES
Approximate length of sleeve: house to well
Sleeve caulked and sealed properly: YES

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.

Michael Gartland Signature of company representative responsible for installation 7/19/01 date

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

Date Insp. Requested: 7/18/01 Date Insp. Approved: 7/18/01 Inspector: BB
Inspection Data: Pitless adapter watertight & 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 not seen outside of well cap/casing
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