

C1 0867

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 13 8/20/01 OK

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Mid Atlantic Dev Corp STREET OR RFD Hunderts View Rd TOWN Clarksville

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Sandy, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD form with fields for YES/NO, CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (25), NO. OF POUNDS (2500).

CASING RECORD form with fields for STEEL (ST), CONCRETE (CO), PLASTIC (PL), OTHER (OT), MAIN CASING TYPE (PL), diameter (6), total depth (80).

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form with fields for STEEL (ST), BRASS (BR), HOLE (HO), PLASTIC (PL), OTHER (OT).

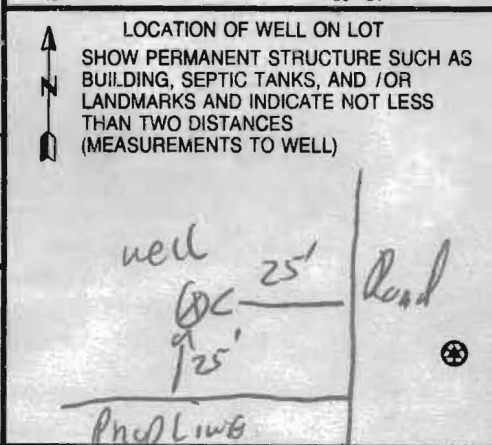
DEPTH (nearest ft.) form with columns for depth intervals (1-21, 23-32, 38-41, 45-47, 51) and slot size.

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 form with fields for HOURS PUMPED (6), PUMPING RATE (2), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (32 ft. before, 130 ft. when pumping).

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (YES/NO), TYPE OF PUMP INSTALLED (S), CAPACITY (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+2 ft. above land surface).



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 M S D 112 DRILLERS SIGNATURE

LIC. NO. 1 M D

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

B 1 0932

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-94-3034

W514 967 please print or type

fill in this form completely

Date Received (APA)

3/9/01

OWNER INFORMATION

MIO ATLANTIC Development
8808 Centre Park Dr.
Columbia Md. 21045

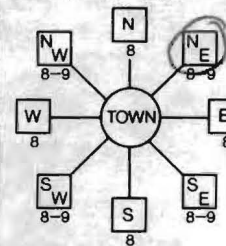
LOCATION OF WELL

Howard County
GARDNER Hunt
SECTION 2 LOT 75
Clarksville

DRILLER INFORMATION

Ralph MAYNE M S D 119
Ralph E. Mayne Well Drilling
17024 Handy Rd. Mt Airy Md
Ralph E. Mayne 2-28-01

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Dorsch Farm rd

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
NORTH SOUTH WEST EAST

WELL INFORMATION

APPROX. PUMPING RATE 5
AVERAGE DAILY QUANTITY NEEDED 500

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
GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard Co 13
STATE SIGNATURE
DATE ISSUED 3/9/01
EXP. DATE 3/9/02

APPROXIMATE DEPTH OF WELL 150 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

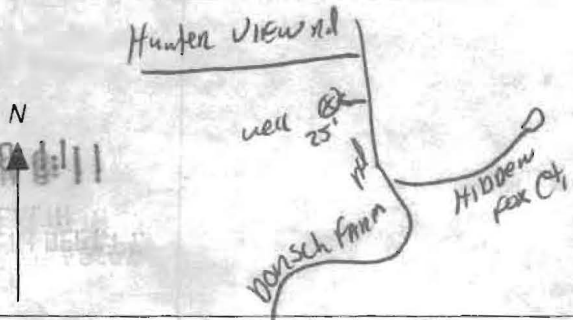
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- 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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. well

WRITE THE BOX NUMBER FROM THE MAP HERE
E 830
N 510

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



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

APPROP. PERMIT NUMBER HD-92-G-020
PERMIT No. HD-94-3034

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-3034
 Location of property (road) Hunters View Rd
 Subdivision Gaither Hunt II Lot 75 Block Plat Sec.
 Well Driller Ralph Mayne Owner Mid Atlantic Development

Depth of well 345
 Distance of measuring point (M.P.) above ground 2^{ft}
 Static water level (S.W.L.) below M.P. 32^{ft}

I. High rate pumping -- reservoir drawdown

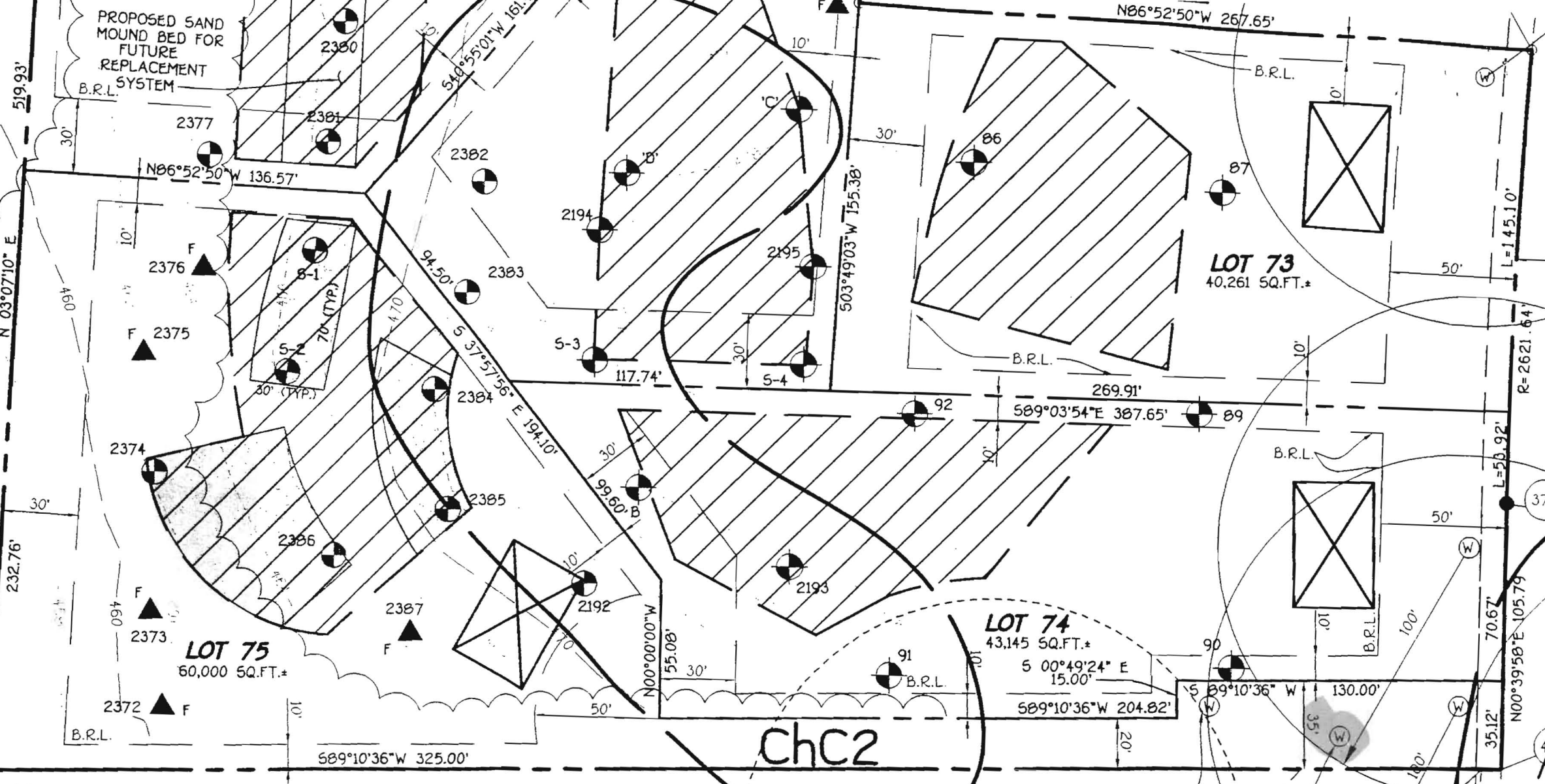
Time pump started 6:30 Pumping rate 10 GPM
 Total time 30 min to reach pumping water level 130 ft. below M.P.

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)
7:00	130 ft.	30 Sec	7 6 Sec	2 GPM
7:15	130 ft.	30 Sec		2 GPM
7:30	130 ft.	30 Sec		2 GPM
7:45	130 "	30 "		2 "
8:00	130 "	30 "		2 "
8:15	130 "	30 "		2 "
8:30	130 ft.	30 Sec		2 GPM
8:45	130 ft.	30 Sec		2 GPM
9:00	130 ft.	30 Sec		2 GPM
9:15	130 "	30 "		2 "
9:30	130 "	30 "		2 "
9:45	130 "	30 "		2 "
10:00	130 ft.	30 Sec		2 GPM
10:15	130 ft.	30 Sec		2 GPM
10:30	130 ft.	30 Sec		2 GPM
10:45	130 "	30 "		2 "
11:00	130 "	30 "		2 "
11:15	130 "	30 "		2 "
11:30	130 ft.	30 Sec		2 GPM
11:45	130 ft.	30 Sec		2 GPM
12:00	130 ft.	30 Sec	ft. sec GPM	2 GPM
12:15	130 "	30 "	1:00 130 30 2	2 "
12:30	130 "	30 "		2 "
12:45	130 ft.	30 Sec		2 GPM

90 ft casing 30' open
 25 BMS

PROPOSED SAND MOUND BED FOR FUTURE REPLACEMENT SYSTEM
B.R.L.



LOT 74
43,145 SQ.FT.*

LOT 73
40,261 SQ.FT.*

ChC2

TWO ALTERNATE WELL SITES

Survey of
started by
8/8/04
WELL SITE

600

16

372

EXIS
50'
PLA
13

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: WALTER W KING PLMB Telephone #: 301-662-6980
Address: 5305 KINGS COURT
FREDENCK MD 21703

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): WALTER W KING License# 02217

*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: RYAN HOMES Telephone #: 410-654-0501
Subdivision: GATHER HUNT Lot #: 77 Well Tag #: HO-94-3034
Site Address: 11026 DORSCH FARM RD
ELLICOTT CITY MD 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>STA-RITE</u>	Make: <u>BIL</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>7SP4DOZHL</u>	Model #: <u>PA-100</u>	Screened, vented well cap: <input type="checkbox"/>
Pump Capacity <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>2</u> GPM	NSF approved: <u>YES</u>	Conduit min 1 1/2" B.G.: <input type="checkbox"/>
Depth of well encountered at time of pump installation: <u>34.5</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4 YES
Torque arrestors on Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt YES

Piping to house
Type: PEP
PSI: 200 (160 psi min)
Depth of supply line: 42" (36" min)

House Connection
PVC sleeved to undisturbed soil at wall penetration: YES
Approximate length of sleeve: 10"
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.

Randy Willard EST 12/3/02
Signature of company representative responsible for installation date

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

Date Insp. Requested: 12/4/02 Date Insp. Approved: 12/20/02 (SO)
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
Adequate grout observed below pitless adapter