

C1 1952 (MDE USE ONLY)

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

WELL IS COMPLETED. OK SKR 12/6/97 COUNTY NUMBER A47964

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

DATE WELL COMPLETED MM DD YY 11 1 99

Depth of Well 22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-94-2440

OWNER last name first name TOWN Malcom Van Fulton STREET OR RFD Queen St SUBDIVISION MALCOLM PROPERTY SECTION LOT 7

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include TOP SOIL, Shaley Clay, brown Mica, Mica, Sand Stone, mica Flint, mica.

GROUTING RECORD. WELL HAS BEEN GROUTED (Y). TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC). NO. OF BAGS: 21. NO. OF POUNDS: 220. GALLONS OF WATER: 120. DEPTH OF GROUT SEAL: 78 ft.

CASING RECORD. casing types insert appropriate code below: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER). MAIN CASING TYPE: ST. Nominal diameter top (main) casing: 06. Total depth of main casing: 8K.

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

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

NUMBER OF UNSUCCESSFUL WELLS: WELL HYDROFRACTURED (Y)

CIRCLE APPROPRIATE LETTER: 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...

DRILLERS LIC. NO. 1 MWD 090. DRILLERS SIGNATURE: Donald F. Eckstey. LIC. NO. 1 MWD 501. SIGNATURE: Charles R. Fullmer

DEPTH (nearest ft.) table with columns 1-21. Values: 110, 82, 400.

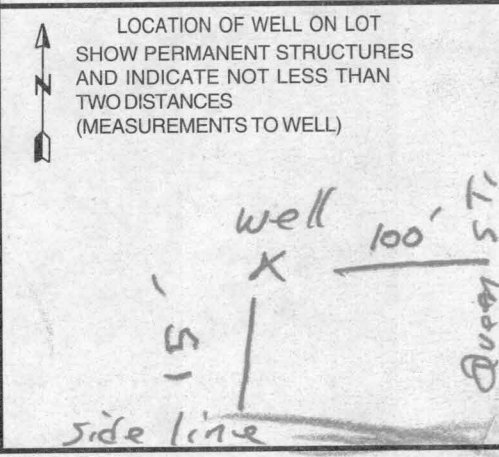
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST. HOURS PUMPED: 6. PUMPING RATE: 1.25 gal. per min. METHOD USED TO MEASURE PUMPING RATE: Bucket. WATER LEVEL BEFORE PUMPING: 23 ft. WHEN PUMPING: 146 ft. TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED. DRILLER INSTALLED PUMP (CIRCLE) (YES or NO). TYPE OF PUMP INSTALLED: S. 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 02 (nearest foot)

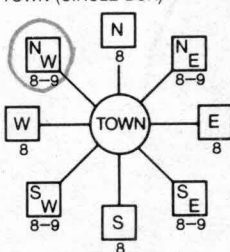



Date Received (APA) **07 27 99**
 8 MM DD YY 13
Malcolm Van
 15 Last Name Owner First Name 34
2001 Briggs Chaney Rd
 36 Street or RFD 55
Silver Spring, Md 20904
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard COUNTY 21
Malcolm Property 23 SUBDIVISION 42
 SECTION 44 46 LOT **7** 48 50
Fulton 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **1** M I 73 76 77 78

DRILLER INFORMATION
George F. Easterday **MW D 040**
 Driller's Name 76 License No. 81
L. Franklin Easterday, Inc.
 Firm Name
9265 Brown Church Rd., MT. Airv. Md. 21771
 Address
George F. Easterday **7/22/1999**
 Signature Date

B 2 WELL INFORMATION
 1 2 APPROX. PUMPING RATE **5**
 (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED **500**
 (GAL. PER DAY) 14 20

B 4
 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

Queen Street 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 34 **150** 37 DISTANCE FROM ROAD Ft. 38 39
 ENTER FT OR MI
 TAX MAP: **41** BLK: **13** PARCEL **67**

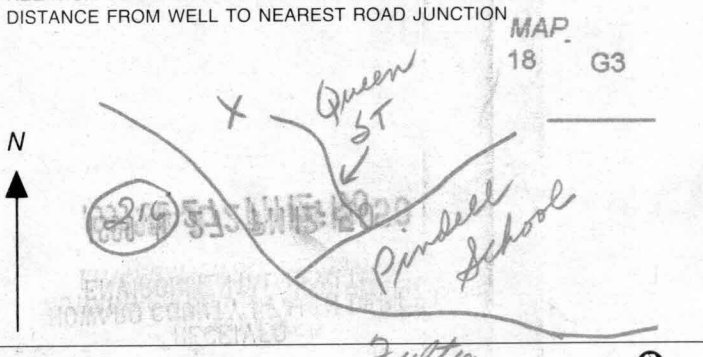
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME **A 47964** COUNTY NO.
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED **09 17 99** **Mark E. Riffin** 9/17/00
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 NORTH GRID **483** 0 0 0 EAST GRID **0820** 0 0 0
 50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET
 24 28
 APPROXIMATE DIAMETER OF WELL **6** INCH
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 _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X **11/1/99 12:00**
 SOURCES OF DRILLING WATER
 1. **wells**
 2. **missed well**
 3. **missed well**
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **0820**
 N **483**
 000 000 X

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
 39 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

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

 MAP 18 G3

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER 54 _____ G A P 63
 PERMIT No. **HO-94-2440**
 70 71 72 73 74 75 76 77 78 79

8:30 11-1-99

Review OK SRK 12/6/99

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2440
 Location of property (road) Queen St
 Subdivision MALCOLM PROPERTY Lot 7 Block _____ Plat _____ Sec. _____
 Well Driller Easterday Owner Malcolm, Van

Depth of well 400 1 1/2"
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 23'

I. High rate pumping -- reservoir drawdown
 Time pump started 9:15 Pumping rate 15 G.P.M
 Total time 15 min to reach pumping water level 145' ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes Pump 380'

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	145'	50 sec		1 1/4 G.P.M
9:45	145'	50 sec		1 1/4 G.P.M
10:00	145'	50 sec		1 1/4 G.P.M
10:15	145'	50 sec		1 1/4 G.P.M
10:30	145'	50 sec		1 1/4 G.P.M
10:45	145'	50 sec		1 1/4 G.P.M
11:00	145'	50 sec		1 1/4 G.P.M
11:15	145'	50 sec		1 1/4 G.P.M
11:30	145'	50 sec		1 1/4 G.P.M
11:45	145'	50 sec		1 1/4 G.P.M
12:00	145'	50 sec		1 1/4 G.P.M
12:15	145'	50 sec		1 1/4 G.P.M
12:30	145'	50 sec		1 1/4 G.P.M
12:45	145'	50 sec		1 1/4 G.P.M
1:00	145'	50 sec		1 1/4 G.P.M
1:15	145'	50 sec		1 1/4 G.P.M
1:30	145'	50 sec		1 1/4 G.P.M
1:45	145'	50 sec		1 1/4 G.P.M
2:00	146'	50 sec		1 1/4 G.P.M
2:15	146'	50 sec		1 1/4 G.P.M
2:30	146'	50 sec		1 1/4 G.P.M
2:45	146'	50 sec		1 1/4 G.P.M
3:00	146'	50 sec		1 1/4 G.P.M
3:15	146'	50 sec		1 1/4 G.P.M
RD 224 3:30	146'	50 sec		1 1/4 G.P.M

**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: J.F. PLUMBING & HEATING Telephone #: 301-622-9006
Address: 621 HOLLYWOOD AVE.
SILVER SPRING MD.
20904

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): JOHN FOLLIARD License# 8513 MD.

*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: MARK F. SCHWARTZ Telephone #: 240-876-1256
Subdivision: MALCOM PROPERTY Lot #: 7 Well Tag #: HO-94-2440
Site Address: 11962 QUEEN ST.
SILVER SPRING MD 20994

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>LOWE</u>	Make: <u>AM. GRUBBY</u>	Two piece watertight cap: <u>YES</u>
Model #: <u>56F07422</u>	Model#: <u>HPT 800</u>	Screened, vented well cap: <u>YES</u>
Pump Capacity <u>5</u> GPM	Depth: <u>48"</u> (36" min)	Cap secured to casing: <u>YES</u>
Well Yield: <u>14</u> GPM	NSF/WSC approved: <u>YES</u>	Conduit min 18" B.G.: <u>YES</u>
Depth of well encountered at time of pump installation: <u>400</u> (feet)		Conduit secured to well cap: <u>YES</u>

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, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing YES

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>POLYETHYLENE</u>	PVC sleeve to undisturbed soil at wall penetration: <u>YES</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>30'-0"</u>
Depth of supply line <u>48"</u> (36" min)	Sleeve caulked and sealed 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: 6/9/01

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

Date Insp. Requested: 5/2/01 Date Insp. Approved: 5/2/01 Inspector: SRK

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<u>✓</u>
Two piece cap installed and attached to casing securely	<u>✓</u>
Elec. conduit extends at least 18" below grade/attached to cap properly	<u>✓</u>
Safety rope not seen outside of well cap/casing	<u>✓</u>
Correct well tag attached properly and casing 8" above finished grade	<u>✓</u>
Water supply line sleeved adequately at house connection	<u>✓</u>
Adequate grout observed below pitless adapter	<u>✓</u>

r Found
e Monument Found
ation Cap Set
nt Set

MATCHLINE - SEE
SHEET 4 OF 4

Ex. 25' Temporary Easement for Access for Ingress
and Egress to Lot 2; Plat Nos. 10976 & 10978
(to be abandoned with this Plat.)

PROPERTY
S 4 - 12
LOT 8

SEE SHEET 3 OF 4
N 48°35'00"
E 81°9'75"
749.22'

COMPANY
4.0457 Ac.± (This Sheet)

Prop. 24' Non-exclusive
Ingress/Egress
Easement granted by
Pepeco for Lots
8 & 9.

Stone
Found

Ex. 10'
Utility Easement

24' Private Access
Easement for Lots
8, 9, 10, & 11

POWER
241 - Folio 181)
S 78°22' 08" E

Ex. 150' R/W
Ex. 75' PEPCO Tree Maintenance
Easement (L.2241 - F. 181)

10' Private Drainage &
Utility Easement

Private Stormwater
Management Access
Esmt.

LOT 7
3.2955 Ac.±/-

QUEEN STREET
(50' R/W)

N 43°03' 13" W

300.13'

S 25°08' 19" E
193.51'

S 79°04' 08" E
158.57'

10' Tree
Maint.
Esmt.

S 59°02' 10" E
7.81'
R=25.00'
L=21.03'

60' BRL

30' BRL

30' BRL

60' BRL

30' BRL

60' BRL

N 22°03' 36" E
Ex. 10' Utility Easement

LOT 6
3.0989 Ac.±/-

LOT 5
3.1683 Ac.±/-

LOT 4
3.1486 Ac.±/-

STEVE
HEISS
(ENGINEER)

SITE
WELL

MR 9/15/99

Lot!

Existing
Sewage
Disposal
Area

Existing
Sewage
Disposal
Area

R=1225.00'
L=50.00'

L=379.13'

L=392.81'

360.66'

356.79'

R=3675.00'

R=3675.00'

N 51°20' 47" E

75' BRL

S 39°12' 59" W
R=1225.00'
L=139.19'

30' BRL

293.88'

L=63.79'

S 47°24' 35" E
50.1'

47

40

45

44

43

42

R