

C1 9687 (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS WELL MUST BE COMPLETED BY PERMIT NO. FROM "PERMIT TO DRILL WELL"

COUNTY NUMBER

ST/CO USE ONLY DATE Received 04 26 99

DATE WELL COMPLETED MM DD YY 4 21 99

Depth of Well 22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" NO - 94 - 2189

OWNER Highland Development last name first name TOWN Glenwood STREET OR RFD Street A SUBDIVISION Knapp Property SECTION LOT 3

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows: Sand (0 to 95), Gray Granite (95 to 400).

GROUTING RECORD (Circle Appropriate Box)

WELL HAS BEEN GROUDED (Y) NO (N) TYPE OF GROUDED MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 30 NO. OF POUNDS 2820 GALLONS OF WATER 180 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 90 ft.

CASING RECORD (insert appropriate code below)

MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 100

Table for OTHER CASING (if used) with columns for diameter inch and depth (feet) from to.

SCREEN RECORD (insert appropriate code below)

screen type or open hole (ST) (BR) (HO) (PL) (OT)

DEPTH (nearest ft.)

Table for DEPTH (nearest ft.) with columns for casing height 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

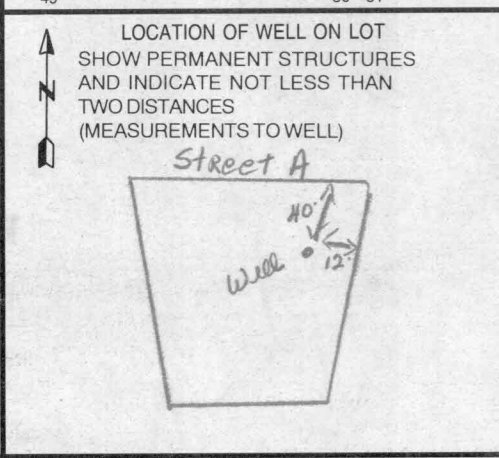
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 3 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 41 ft. WHEN PUMPING 351 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) 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 (NEAREST FOOT) (-) below 2 (NEAREST FOOT)



NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (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 MS DO 24 DRILLERS SIGNATURE Joseph C. Mayne

LIC. NO. 1 MS DO 27 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 94-2189
 Location of property (road) Street A
 Subdivision Kemp Property Lot 3 Block _____ Plat _____ Sec. _____
 Well Driller Josh Macne Owner Highland Development

Depth of well 400'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 41'

I. High rate pumping -- reservoir drawdown

Time pump started 6:30 Pumping rate 20 gpm.
 Total time 45 min. to reach pumping water level 351 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 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:45	195'	3 sec.	N/A	20 gpm.
7:00	292	4		15
7:15	351	5		12
7:30	348	23		2.6
7:45	345	23		2.6
8:00	344	19		3.1
8:15	344	19		3.1
8:30	344	19		3.1
8:45	344	19		3.1
9:00	344	19		3.1
9:15	344	19		3.1
9:30	345	19		3.1
9:45	346	19		3.1
10:00	347	19		3.1
10:15	345	22		2.7
10:30	343	22		2.7
10:45	344	20		3
11:00	342	20		3
11:15	341	20		3
11:30	341	20		3
11:45	340	20		3
12:00	340	20		3
12:15	340	20		3
12:30	340	20		3
12:45	340	20		3
1:00	340	20		3

ATTN: DAVE

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: Foales Well Drilling Telephone #: 410-795-5670
Address: 580 Obrecht Rd
Sylasville, Md 21781

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Allen Compton License# MSD 009

*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: D.R. Horton Telephone #: 301-674-4922
Subdivision: Monticello Lot #: 3 Well Tag #: HO-99-2189
Site Address: _____

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Grundfos Make: Campbell Two piece watertight cap: Yes
Model #: _____ Model#: _____ Screened, vented well cap: Yes
Pump Capacity 5 GPM Depth: 42' (36" min) Cap secured to casing: Yes
Well Yield: 5 GPM NSF approved: Yes Conduit min 1 1/2" B.G.: Yes
Depth of well encountered at time of pump installation: 400 (feet) Conduit secured to well cap: Yes
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque armors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt: NO

Piping to house House Connection
Type: Black Plastic PVC sleeved to undisturbed soil at wall penetration: Yes
PSI: 160 (160 psi min) Approximate length of sleeve: 5'
Depth of supply line: 42' (36" min) Sleeve caulked and sealed properly: Yes

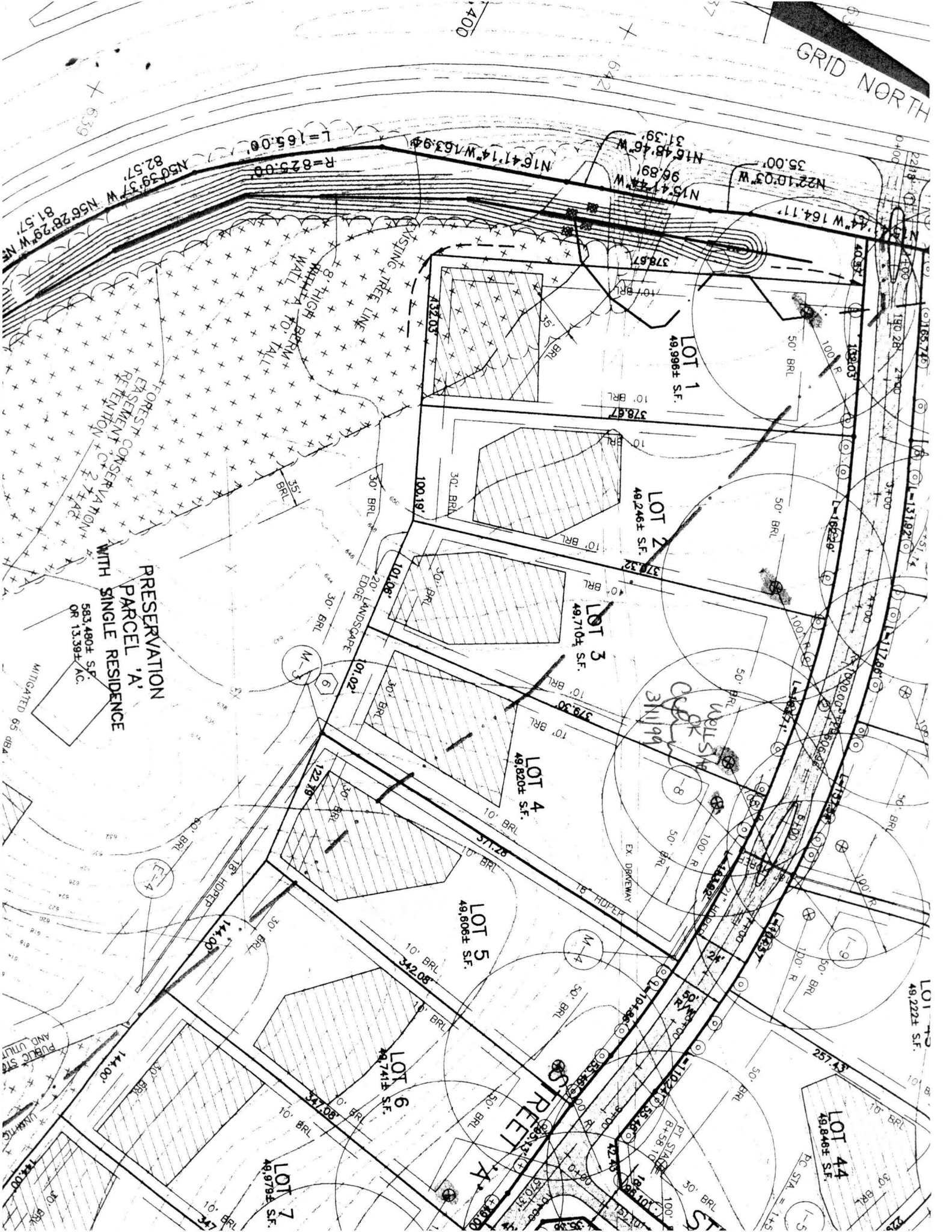
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Allen Compton 8-23-01
Signature of company representative responsible for installation date

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

Date Insp. Requested: 7/16/01 Date Insp. Approved: 7/16/01 BB
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 mg attached properly and casing 6" above finished grade _____
Water supply line sleeved adequately at house connection _____
Adequate grout observed below pitless adapter _____

GRID NORTH



$L=165.00'$
 $R=82.57'$
 $N50^{\circ}39'37'' W$
 $N56^{\circ}28'29'' W$
 $N16^{\circ}41'14'' W$
 $N16^{\circ}48'46'' W$
 $N15^{\circ}41'24'' W$
 $N22^{\circ}10'03'' W$

EXISTING TREE LINE
 8'-HIGH BERM WITH WALL TO TALL

FOREST CONSERVATION EASEMENT REVISION OF 2/17/14

PRESERVATION PARCEL 'A' WITH SINGLE RESIDENCE
 583,480± SF. OR 13,394± AC.
 MITIGATED 65 DBA

WELL SHED
 311199

STREET 'A'

LOT 44
 49,846± SF.

LOT 5
 49,606± SF.

LOT 4
 49,820± SF.

LOT 3
 49,710± SF.

LOT 2
 49,246± SF.

LOT 1
 49,996± SF.

LOT 7
 49,979± SF.

LOT 6
 49,741± SF.

LOT 5
 49,606± SF.

LOT 4
 49,820± SF.

LOT 3
 49,710± SF.

LOT 2
 49,246± SF.

LOT 1
 49,996± SF.

LOT 43
 49,222± SF.

LOT 44
 49,846± SF.

LOT 45
 49,979± SF.