C 1 | 6667 | SEQUENCE NO. (MDE USE ONLY)

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

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

COUNTY NUMBER 45/3229

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

DATE WELL COMPLETED MM DD YY: 9 8 05 (15 20)

Depth of Well: 500' (22 26) (TO NEAREST FOOT)

9/23/05 O.K. RB

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO - 45 - 0100 (28 29 30 31 32 33 34 35 36 37)

OWNER Dale Thompson Bldrs (last name / first name)

STREET OR RFD Deanna Drive TOWN Highland

SUBDIVISION Owings Pup SECTION 4b/4/4a LOT 27

WELL LOG
Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET FROM	FEET TO	check if water bearing
Sand	0	45	
Gray Mica Rock	45	500	V

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED: yes Y (44) / no N (44)

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.

S.M. RALPH MAYNE SD 117

DRILLERS LIC. NO. MSD 024

Joseph E Mayne

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. MSD 024

Joseph E Mayne

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box): yes Y (44) / no N (44)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM (45 46) BENTONITE CLAY BC (45 46)

NO. OF BAGS 11 NO. OF POUNDS 1034

GALLONS OF WATER 66

DEPTH OF GROUT SEAL (to nearest foot)

from 0 (48 TOP 52) ft. to 45 (54 BOTTOM 58) ft.

(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

ST STEEL | CO CONCRETE | PL PLASTIC | OT OTHER

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
PL (60 61)	6 (63 64)	49 (66 70)

OTHER CASING (if used)

EACH CASING	diameter inch	depth (feet) from	to

SCREEN RECORD
screen type or open hole — insert appropriate code below

ST STEEL | BR BRASS BRONZE | HO OPEN HOLE | PL PLASTIC | OT OTHER

C 2 (1 2)

DEPTH (nearest ft.)

EACH SCREEN		from	to
1	HO (8 9)	47 (11 15)	500 (17 21)
2	(23 24)	(26 30)	(32 36)
3	(38 39)	(41 45)	(47 51)

SLOT SIZE 1 ____ 2 ____ 3 ____

DIAMETER OF SCREEN ____ (56 60) (NEAREST INCH)

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T (70) (E.R.O.S.) (72) W Q (74 75 76)

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

C 3 (1 2)

PUMPING TEST
HOURS PUMPED (nearest hour): 6 (6 9)

PUMPING RATE (gal. per min.): 1.2 (11 15)

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING: 38 (17 20) ft.

WHEN PUMPING: 386 (22 25) ft.

TYPE OF PUMP USED (for test)

A air (27) | P piston (27) | T turbine (27) | C centrifugal (27) | R rotary (27) | O other (describe below) (27) | J jet (27) | S submersible (27)

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: (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)

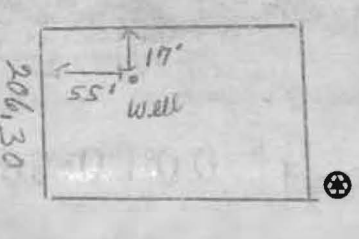
+ (49) above / – (49) below LAND SURFACE

2 (50 51) (nearest foot)

LOCATION OF WELL ON LOT

N

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



DENV-CR00

COUNTY

EMERGENCY/TEMP NO. IF ANY

B 1 | 8993 | SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

please type

522053

STATE PERMIT NUMBER: HO-95-0100

fill in this form completely

Date Received (APA): 3/28/05

OWNER INFORMATION

Dale Thompson Bld — Owner

6300 Woodside Ct.

Columbia MD 21046

DRILLER INFORMATION

Ralph E. Mayne MSD 117 — Driller's Name / License No.

Ralph E. Mayne Inc — Firm Name

7024 Handy Rd Mt Airy MD 21771 — Address

Signature — Date: 3-24-05

LOCATION OF WELL

Howard — COUNTY

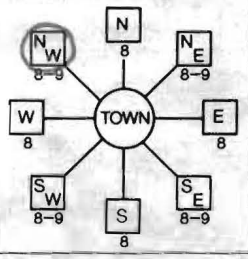
Owings Prop. — SUBDIVISION

SECTION — LOT: 27

High Land — NEAREST TOWN

MILES FROM TOWN (enter 0 if in town): I

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Deanmar Dr. — NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH N, W WEST, 32, E EAST, S SOUTH

800 — DISTANCE FROM ROAD

ENTER FT OR MI: Ft

TAX MAP: 40 BLK: 4 PARCEL 44

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.): 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

(D) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

[F] FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION

[I] INDUSTRIAL, COMMERICIAL, DEWATERING

[P] PUBLIC WATER SUPPLY WELL

[T] TEST, OBSERVATION, MONITORING

[G] GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard — COUNTY NAME

13229 — COUNTY NO.

STATE SIGNATURE

INSERT S

DATE ISSUED: 4/1/05 — CO SIGNATURE — EXP. DATE: 4/1/06

NORTH GRID: 441 000

EAST GRID: 404 000

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

other

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 404

N 441

000 000

REPLACEMENT OR DEEPENED WELLS
(CIRCLE APPROPRIATE BOX)

(N) THIS WELL WILL NOT REPLACE AN EXISTING WELL

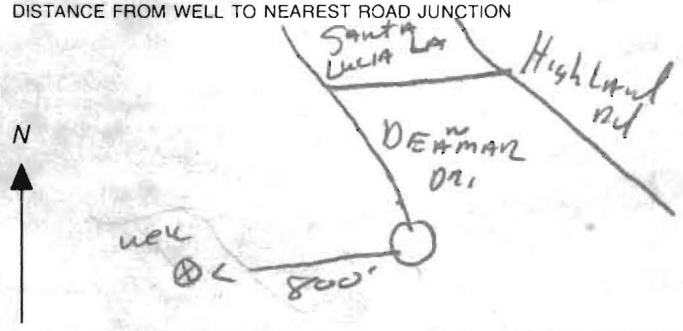
[Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

[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 DEEPENED (IF AVAILABLE)

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: G

PERMIT No. HO-95-0100

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

DENV-Permit 97

② COUNTY

Page ____ of ____ Review ____

Date 9-8-05

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-0100
Location of property (road) Deanmar Dr
Subdivision Owings Property Lot 27 Block 4 Plat ____ Sec. ____
Well Driller Joseph Mayne Owner Dale Thompson Builders

Depth of well 500'
Distance of measuring point (M.P.) above ground 2'
Static water level (S.W.L.) below M.P. 38'

I. High rate pumping -- reservoir drawdown

Time pump started 6:45 Pumping rate 15 gpm
Total time 45 min to reach pumping water level 386 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)
7:00	187'	4 sec		15 gpm
7:15	288	4		15
7:30	386	5		12
7:45	383	50		1.2
8:00	383	50		1.2
8:15	382	50		1.2
8:30	382	50		1.2
8:45	382	50		1.2
9:00	382	50		1.2
9:15	381	50		1.2
9:30	381	50		1.2
9:45	381	50		1.2
10:00	381	50		1.2
10:15	381	50		1.2
10:30	381	50		1.2
10:45	381	50		1.2
11:00	381	50		1.2
11:15	381	50		1.2
11:30	381	50		1.2
11:45	381	50		1.2
12:00	381	50		1.2
12:15	381	50		1.2
12:30	381	50		1.2
12:45	381	50		1.2
1:00	381	50		1.2
1:15	381	50		1.2
1:30	381	50		1.2

Page _____ of _____ Review _____

Date _____

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-0100
Location of property (road) Deanman Rd
Subdivision Owings Prop Lot 27 Block 4 Plat 40 See. Par 44
Well Driller Ruppert Mayne Owner Dale Thompson Bldrs

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

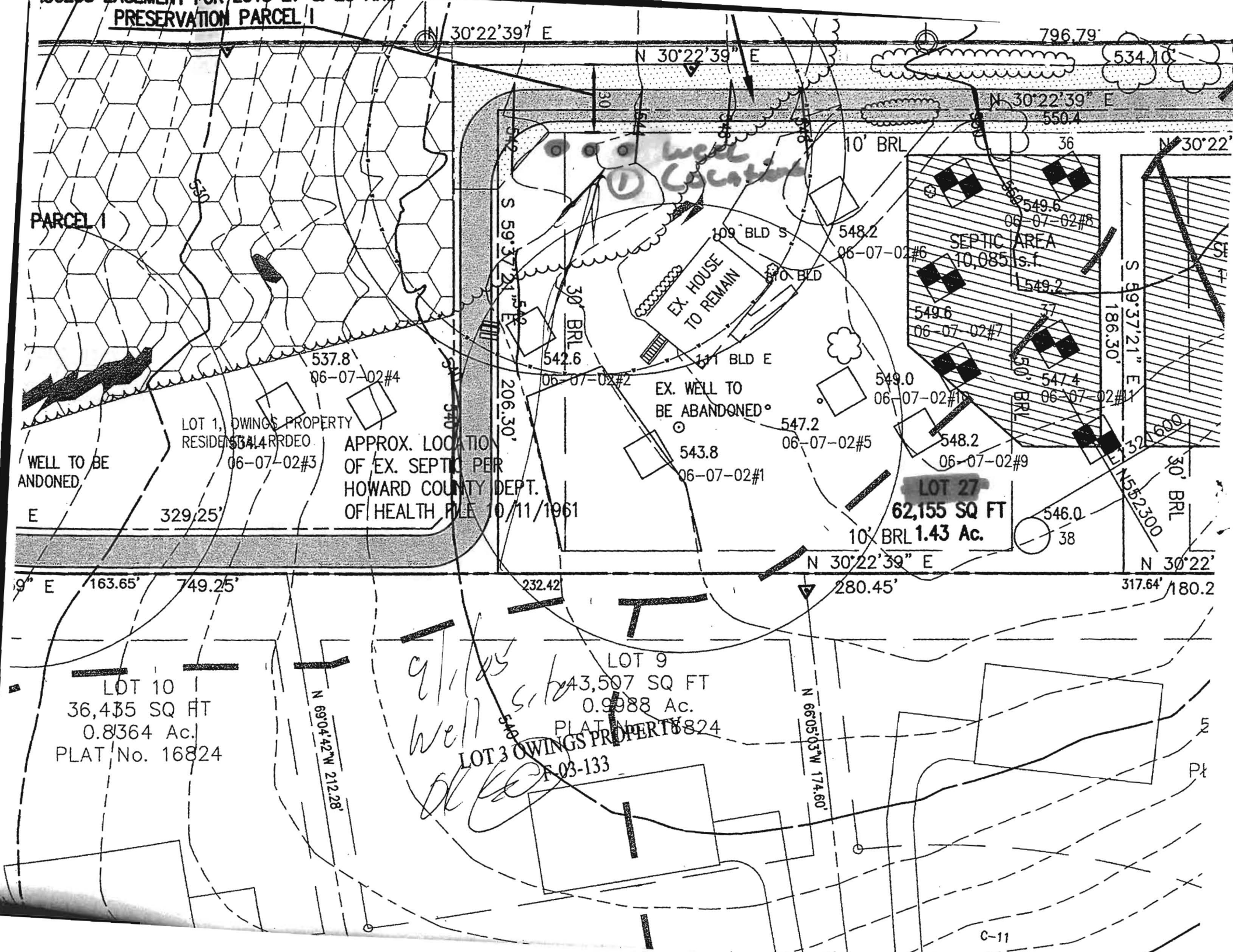
I. High rate pumping -- reservoir drawdown

Time pump started _____ Pumping rate _____
Total time _____ to reach pumping water level _____ 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)

HD-224


PRESERVATION PARCEL I
N 30°22'39" E
796.79'
534.10'
550.4
PARCEL I
10' BRL
36
N 30°22'
well Location
549.6
06-07-02#8
SEPTIC AREA
10,085 s.f.
549.2
S 59°37'21" E
186.30'
109 BLD S
548.2
06-07-02#6
EX. HOUSE TO REMAIN
110 BLD
30' BRL
542.6
06-07-02#2
111 BLD E
549.6
06-07-02#7
37
547.4
06-07-02#11
537.8
06-07-02#4
LOT 1, OWINGS PROPERTY
RESIDENTIAL RREDEO
534.4
06-07-02#3
WELL TO BE
ANDONED
APPROX. LOCATION
OF EX. SEPTIC PER
HOWARD COUNTY DEPT.
OF HEALTH FILE 10/11/1961
206.30'
EX. WELL TO
BE ABANDONED
543.8
06-07-02#1
547.2
06-07-02#5
549.0
06-07-02#10
548.2
06-07-02#9
LOT 27
62,155 SQ FT
1.43 Ac.
546.0
38
N 55°23'00"
30' BRL
329.25'
163.65'
749.25'
232.42
280.45'
317.64'
180.2
LOT 10
36,435 SQ FT
0.8364 Ac.
PLAT No. 16824
LOT 9
43,507 SQ FT
0.9988 Ac.
PLAT No. 16824
LOT 3 OWINGS PROPERTY
F 03-133
N 69°04'42"W 212.28'
N 66°05'03"W 174.60'
well s.b.
C-11

2/27/05

Requirements Before Well Permit for Lot 27 Can Be Processed

Aban wells & septic ←

Apply for demo permit - BBL, Verizon, etc ←

Letter confirming ← - release well permit

No building permit will be applied for prior to demo the house

Owings Property

Resub. of Lot 1

① Received Demo permit

② Applied for well permit &

② intent is to not occupy the ex. house

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

****

WATER WELL ABANDONMENT-SEALING REPORT FORM

****

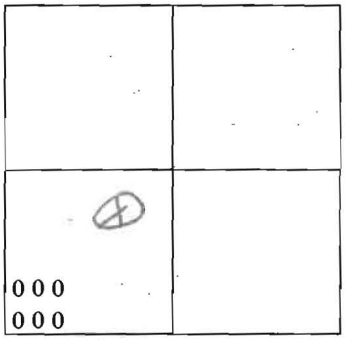
SUBMIT COPIES OF COMPLETED FORM TO:

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

DATE WELL ABANDONED: Aug 4 2005 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) HO — 88— 1631
* PERMIT NUMBER OF REPLACEMENT WELL N/A — —
* PERSON ABANDONING WELL: Ralph E. WAYNE WELL DRILLERS LICENSE NUMBER: 117
CIRCLE: MWD/MSD/MGD
* OWNER'S NAME: DALE Thompson Builders
* WELL LOCATION: 13013 DEANMAR DR.
COUNTY: HOWARD
NEAREST TOWN: HIGHLAND
TAX MAP _____ BLOCK _____ PARCEL _____
SUBDIVISION: ~~Hopkins~~ CHOICE OWings Property
SECTION: _____ LOT: _____
NEAREST ROAD: DEANMAR DR.

MARYLAND GRID COORDINATES
BOX NUMBER E 490 N 810 <———



SHOW WELL LOCATION
BY X WITHIN BOX

* TYPE OF WELL BEING ABANDONED:

✓ DRILLED _____ JETTED
_____ BORED/AUGUERED _____ HAND DUG
_____ OTHER (specify) _____

* USE CODE:

✓ DOMESTIC _____ MUNICIPAL/PUBLIC
_____ IRRIGATION _____ INDUSTRIAL
_____ TEST/OBSERVATION

* TYPE OF CASING:

✓ STEEL _____ PLASTIC
_____ CONCRETE _____ OTHER (specify)
_____

* SIZE OF CASING: 6 1/4 INCHES IN DIAMETER
* DEPTH OF WELL: 300 FEET DEEP
* WAS ANY CASING REMOVED? ✓ YES _____ NO
if yes, length removed, in feet: 2
* WAS CASING RIPPED OR PERFORATED? ___ YES ✓ NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Cement	300	0

Ralph E. Wayne 117 MWD/MSD/MGD Aug 5 2005
SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE # CIRCLE ONE DATE

DENV 828 JULY 1993 2) COUNTY ENVIRONMENTAL AGENCY

DALE
THOMPSON
BUILDERS

July 26, 2005

Stewart Oster
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 21044

Subject: Owings Lot 1
F-05-068

Dear Mr. Oster:

Yesterday, Ms. Amy Ferrer of my staff informed me that Mr. Brian Baker observed that the existing septic system at Owings Lot 1 is failing. This information was so unexpected that I went immediately to the site to affirm the situation. The lot is 10 acres and the existing residence is a small two bedroom rancher. We fine mow approximately ½ acre and bush mow the balance that is no longer under agricultural cultivation. My visit concluded that the situation is far worse than I anticipated. There is indeed raw sewage running to the rear of the lot downhill toward the wooded area. It is difficult to discern in the tall grass since the area is now only bush mowed twice a year.

I feel compelled to correct this situation immediately. I have a tenant occupying the existing residence and there are children that play nearby upon the one acre lots in White Oak Estates Subdivision off Patrick Court. I will personally be at your offices tomorrow morning at 9:30 to obtain an emergency permit to construct a replacement facility to correct this situation. When designing the replacement system, we cannot use the current septic easement because our recent perc plat, approved in 2002, and our near final record plat for the new subdivision indicate that the existing septic easement is to be abandoned. Therefore, we must construct the "repair" upon the new septic easement currently approved by the Health Department and soon to be recorded this Fall. As it is our intention to raze the existing dwelling in the near future and replace it with a new home, we will be proposing to construct the new septic system to comply with the requirements of a future 5 bedroom house.

We thank you in advance for your cooperation in this matter.

Sincerely,

Dale Thompson

6300 Woodside Court Suite A Columbia, Maryland 21046
(301) 596-7280 Fax (410) 381-8747 (410) 995-6736

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION
2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224, (410) 631-3784

****

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: Aug 4 2005 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) N/A — —

* PERMIT NUMBER OF REPLACEMENT WELL N/A — —

* PERSON ABANDONING WELL: RALPH E MAYNE

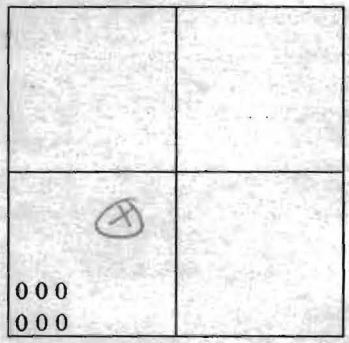
WELL DRILLERS LICENSE NUMBER: 117

CIRCLE: MWD/(MSD)/MGD

* OWNER'S NAME: DALE Thompson Builders
13013 Deaverman Dr.

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Highland
TAX MAP — BLOCK — PARCEL —
SUBDIVISION: ~~Hopkins Chance~~ Owings Property
SECTION: — LOT: —
NEAREST ROAD: Deaverman Dr.

MARYLAND GRID COORDINATES
BOX NUMBER E 450 N 810 <———



SHOW WELL LOCATION
BY X WITHIN BOX

* TYPE OF WELL BEING ABANDONED:

✓ DRILLED _____ JETTED
_____ BORED/AUGUERED _____ HAND DUG
_____ OTHER (specify) _____

* USE CODE:

✓ DOMESTIC _____ MUNICIPAL/PUBLIC
_____ IRRIGATION _____ INDUSTRIAL
_____ TEST/OBSERVATION

* TYPE OF CASING:

✓ STEEL _____ PLASTIC
_____ CONCRETE _____ OTHER (specify)
_____

* SIZE OF CASING: 6" INCHES IN DIAMETER

* DEPTH OF WELL: 30 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	FEET TO
Cement	30	5
Top Soil	5	0

RALPH E. MAYNE 117 MWD/(MSD)/MGD Aug 5 2005

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE # CIRCLE ONE DATE

DENV 828 JULY 1993 2) COUNTY ENVIRONMENTAL AGENCY

Fax # 410 381-8747
Amy Ferrer

MEMORANDUM

TO: Cindy Hamilton, Planning Manager
Howard County Department of Land Development

FROM: Michael J. Davis, Registered Sanitarian
Howard County Environmental Health

DATE: September 9, 2005

SUBJECT: Owings Lot
Plat number F-05-68

The wells located in the above referenced subdivision consisting of 4 lots have been drilled and have received preliminary approval by the Howard County Health Department. The recordation of plat F-05-68 should not be held up any longer due to issues involving well drilling as the developer of this project has fulfilled this prerequisite. If there are any questions involving this particular memorandum, please call me at 410-313-1771.

Cc Amy Ferrer
File