

C1 **4518** (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

SEQUENCE NO. (OEP USE ONLY)

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

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

COUNTY NUMBER **A 32 887**

DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

8 13

15 20 **040484**

22 26 **300**
 (TO NEAREST FOOT)

28 37 **HO-81-0435**

OWNER **Kowalewicz** last name **Ray** first name
 STREET OR RFD **MD Rte 99** TOWN **Woodstock**
 SUBDIVISION **Tax map 10; parcel 224** SECTION **-** LOT **-**

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 TO Check if water bearing

OVERBURDEN 0 23
SHALE w/STREAKS OF EARTH 23 57
GRAY ROCK 57 300 X
 WELL #1 - 300' DRY (BAFFLED)

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**
 TYPE OF GROUTING MATERIAL
 CEMENT **CM** BENTONITE CLAY **BC**
 NO. OF BAGS **8** NO. OF POUNDS **800**
 GALLONS OF WATER **48**
 DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **60** ft.
 (enter 0 if from surface)

CASING RECORD

MAIN CASING TYPE **ST** Nominal diameter (nearest inch) **6** Total depth of main casing (nearest foot) **60**
 OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole **ST** **BR** **HO** **PL** **OT**
 STEEL BRASS OPEN HOLE PLASTIC OTHER
 DEPTH (nearest ft.)

C2
 1 **HO** 60 300
 2
 3
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

C3

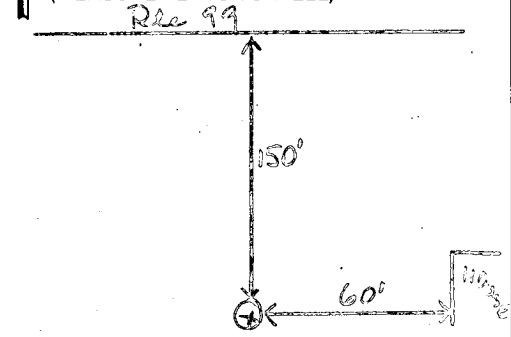
PUMPING TEST

HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **447**
 METHOD USED TO MEASURE PUMPING RATE **SUBMERSIBLE**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **24** WHEN PUMPING **277**
 TYPE OF PUMP USED (for test) **A** air **P** piston **T** turbine **C** centrifugal **R** rotary **O** other (describe below) **J** jet **S** submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: **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 **-** below LAND SURFACE (nearest foot) **50** **51**

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



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 10.17.13 "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 IDENT. NO. **120**
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) **Harold Wolske**
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
 T (E.R.O.S.) **70** **72** WQ **74** **75** **76**
 TELESCOPE CASING LOG INDICATOR OTHER DATA

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0435
 Location of property (road) Md Rte 99
 Subdivision taxmap 10, parcel 224 Lot _____ Block _____ Plat _____ Sec. _____
 Well Driller Sandy B. Cochran Owner Kay Kowalew loc 2

Depth of well 300'
 Distance of measuring point (M.P.) above ground 12"
 Static water level (S.W.L.) below M.P. 24"


I. High rate pumping -- reservoir drawdown

Time pump started 0830 Pumping rate 9.41
 Total time 75 to reach pumping water level 280 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)
0830	24'	22		13.63
0845	114'	24		11.53
0900	167'8"	30		10.0
0915	218'6"	34		8.82
0930	254'	38		7.89
0945	280'	65		4.61
1000	278'2"	65		4.61
1015	279'	66		4.54
1030	279'	66		4.54
1045	278'4"	67		4.47
1100	278'9"	65		4.61
1115	280'2"	65		4.61
1130	281'	65		4.61
1145	280'	68		4.41
1200	279'	67		4.47
1215	278'11"	67		4.47
1230	278'9"	67		4.47
1245	278'7"	67		4.47
1300	278'3"	67		4.47
1315	278'	67		4.47
1330	277'11"	67		4.47
1345	277'10"	67		4.47

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	Maryland Department of Assessments and Taxation HOWARD COUNTY Real Property Data Search	Go Back View Map New Search Ground Rent
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Account Identifier: District - 03 **Account Number -** 289257

Owner Information

Owner Name:	MORSBERGER CHRIS C MORSBERGER WANDA J	Use:	AGRICULTURAL
		Principal Residence:	YES
Mailing Address:	11365 ROUTE 99 MARRIOTTSVILLE MD 21104-1522	Deed Reference:	1) / 3052/ 151 2)

Location & Structure Information

Premises Address 11365 ROUTE 99 MARRIOTTSVILLE 21104	Legal Description 12.332 AR 11365 ROUTE 99 MARRIOTTSVILLE
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Map	Grid	Parcel	Sub District	Subdivision	Section	Block	Lot	Assessment Area	Plat No: Plat Ref:
10	21	224						1	

Special Tax Areas	Town Ad Valorem Tax Class	NO A/V, NO M/P, METRO FIRE TAX
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Primary Structure Built	Enclosed Area	Property Land Area	County Use
1995	1,860 SF	12.33 AC	

Stories	Basement	Type	Exterior
1	YES	STANDARD UNIT	SIDING

Value Information

	Base Value	Value			Phase-in Assessments	PREFERENTIAL LAND VALUE INCLUDED IN LAND VALUE
		As Of	As Of	As Of		
Land:	95,660	01/01/2004	07/01/2005	07/01/2006		
Improvements:	97,860					
Total:	193,520	286,090	255,232	286,090		
Preferential Land:	5,660	5,660	5,660	5,660		

Transfer Information

Seller: KOWALEVIOZ KAY DIANNA	Date: 11/15/1993	Price: \$145,000
Type: IMPROVED ARMS-LENGTH	Deed1: / 3052/ 151	Deed2:
Seller: LEWMAN LARRY C & WF	Date: 10/10/1983	Price: \$80,000
Type: IMPROVED ARMS-LENGTH	Deed1: / 1202/ 608	Deed2:
Seller:	Date:	Price:
Type:	Deed1:	Deed2:

Exemption Information

Partial Exempt Assessments	Class	07/01/2005	07/01/2006
County	000	0	0
State	000	0	0
Municipal	000	0	0

Tax Exempt: NO	Special Tax Recapture: AGRICULTURAL TRANSFER TAX
Exempt Class:	