

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) FILL IN THIS FORM COMPLETELY PLEASE TYPE
 COUNTY NUMBER
 ST/CO USE ONLY DATE Received MM DD YY DATE WELL COMPLETED MM DD YY Depth of Well 22 350 26 PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-20-0160
 8 13 15 20 (TO NEAREST FOOT) 28 29 30 31 32 33 34 35 36 37

OWNER SNIDER Mark
 WELL SITE ADDRESS 1420 LONG CORNER RD TOWN Mt Airy
 SUBDIVISION _____ 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		check if water bearing
	FROM	TO	
Soil	0	8	
Brown shale	8	61	
Soft GRAY Rock	61	350	-
		285	-

*Well Sealed by others

GROUTING RECORD YES NO
 WELL HAS BEEN GROUTED Y N
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT (CM) BENTONITE CLAY (BC)
 NO. OF BAGS 23 NO. OF POUNDS 125
 GALLONS OF WATER 115
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 65 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 PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 65
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch 4 1/2 depth (feet) from 60 to 300

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

C 3 **PUMPING TEST**

HOURS PUMPED (nearest hour) 4
 PUMPING RATE (gal. per min.) .67
 METHOD USED TO MEASURE PUMPING RATE Water Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 35 ft.
 WHEN PUMPING 330 ft.
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

NUMBER OF UNSUCCESSFUL WELLS: 3

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. MW D 355
 DRILLERS SIGNATURE [Signature]
 (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. WR 9 113

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

C 2 DEPTH (nearest ft.)

1	8	9	11	15	17	21
2	23	24	26	30	32	36
3	38	39	41	45	47	51

SLOT SIZE 1 _____ 2 _____ 3 _____
 DIAMETER OF SCREEN _____ (NEAREST INCH)
 from _____ to _____

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
 70 _____ 72 _____ 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

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 } LAND SURFACE
 - below } 1 (nearest foot)
 49 _____ 50 51

LATITUDE 39.33637
 LONGITUDE 77.15438
 (DEFAULT COORD. WGS 84)

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 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

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

DATE WELL ABANDONED: JUNE 16, 2022 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) HO-20-01600

* PERMIT NUMBER OF REPLACEMENT WELL: _____

* PERSON ABANDONING WELL: Michael Barlow WELL DRILLER'S LICENSE NUMBER: 355

CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: MARK SNIDER

* WELL LOCATION: _____

COUNTY: Howard

NEAREST TOWN: MT AIRY

TAX MAP 6 BLOCK 10 PARCEL 25

SUBDIVISION: _____

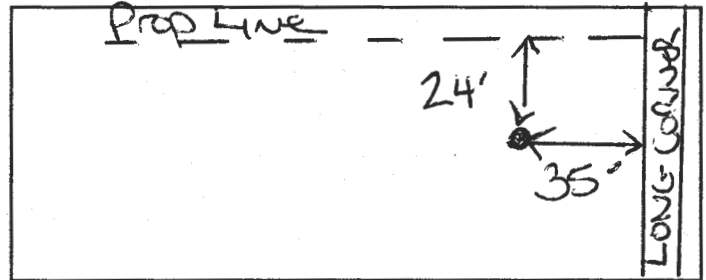
SECTION: _____ LOT: _____

STREET ADDRESS: 1420 LONG CORNER RD

LATITUDE 39.33651

LONGITUDE 77.15435

SITE LOCATION MAP



LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Drill Cuttings	900	20
Cement	20	0
VOLUME OF MATERIAL USED		
<u>375 lbs cement</u>		

- * TYPE OF WELL BEING ABANDONED:
- DRILLED JETTED
- BORED HAND DUG
- OTHER (specify) _____

- * USE CODE:
- DOMESTIC MUNICIPAL/PUBLIC
- IRRIGATION INDUSTRIAL
- TEST/OBSERVATION GEOTHERMAL

- * TYPE OF CASING:
- STEEL PLASTIC
- CONCRETE OTHER (specify) _____

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 900 FEET DEEP

WAS ANY CASING REMOVED? YES NO
 If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES NO

[Signature] 355
 SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#

MWD / MSD / MGS 9/23/2022
 CIRCLE ONE DATE

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C 1 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) FILL IN THIS FORM COMPLETELY PLEASE TYPE COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED DATE WELL COMPLETED Depth of Well PERMIT NO. FROM "PERMIT TO DRILL WELL"

MM DD YY MM DD YY 22 900 26 Ho-20-0160

8 13 15 20 (TO NEAREST FOOT) 28 29 30 31 32 33 34 35 36 37

OWNER Swiderski WELL SITE ADDRESS 1420 LONG CORNERS TOWN Mt Airy

SUBDIVISION _____ 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		check if water bearing
	FROM	TO	
SOIL	0	6	
Brown shale	6	32	
SOFT GRAY Rock	32	900	✓
		386	✓

* Well Sealed by others

GROUTING RECORD YES NO

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) **CM** BENTONITE CLAY **BC**

CEMENT NO. OF BAGS 13 NO. OF POUNDS 415

GALLONS OF WATER 65

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 35 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 **PL** Nominal diameter top (main) casing (nearest inch!) 6 Total depth of main casing (nearest foot) 35

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

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL **BR** BRASS **HO** OPEN HOLE
PL PLASTIC **OT** OTHER

C 3 **PUMPING TEST**

HOURS PUMPED (nearest hour) 1

PUMPING RATE (gal. per min.) .5

METHOD USED TO MEASURE PUMPING RATE Watch/ Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 50 ft.

WHEN PUMPING 400 ft.

TYPE OF PUMP USED (for test)

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

NUMBER OF UNSUCCESSFUL WELLS: 3

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. MWD 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

DR. NO. WR 0113

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

C 2 DEPTH (nearest ft.)

Ho 35 900

E A C H S C 3 R E E N

1 8 9 11 15 17 21

2 23 24 26 30 32 36

3 38 39 41 45 47 51

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN _____ (NEAREST INCH)

from _____ to _____

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

70 _____ 72 _____ 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

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)

+ above } LAND SURFACE
- below } (nearest foot)

LATITUDE 39.33657

LONGITUDE 77.15430

(DEFAULT COORD. WGS 84)

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

ST/CO USE ONLY DATE RECEIVED MM DD YY DATE WELL COMPLETED MM DD YY Depth of Well 22 900 26 PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-20-0160

OWNER SN. DER MARK
WELL SITE ADDRESS 1420 LONG CORNER RD WYOMING MT A-54
SUBDIVISION 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		check if water bearing
	FROM	TO	
Soil	0	6	
Brown Shale	6	47	
Med Gray Rock	47	400	
Soft Gray Rock	400	900	L
		150	L
		420	L

* well Sealed by Others

GROUTING RECORD YES NO
WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one) GROUT 44 44

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 17 NO. OF POUNDS 275

GALLONS OF WATER 85

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 50 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

<input checked="" type="checkbox"/> ST STEEL	<input type="checkbox"/> CO CONCRETE
<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 50

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

SCREEN RECORD
screen type or open hole insert appropriate code below

<input checked="" type="checkbox"/> ST STEEL	<input type="checkbox"/> BR BRASS	<input type="checkbox"/> HO OPEN HOLE
<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> BRONZE	<input type="checkbox"/> OT OTHER

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) .50

METHOD USED TO MEASURE PUMPING RATE water/Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 25 ft.

WHEN PUMPING 227 ft.

TYPE OF PUMP USED (for test)

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

NUMBER OF UNSUCCESSFUL WELLS: 3

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.

C 2

DEPTH (nearest ft.)

1 Ho 50 900

1	8	9	11	15	17	21
2	23	24	26	30	32	36
3	38	39	41	45	47	51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)
56 60

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)

+ above } LAND SURFACE
 - below } 1 (nearest foot)

DRILLERS LIC. NO. 1 MW 355

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. W 8 B 009

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

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

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

LATITUDE 39.33651
LONGITUDE 77.15435
(DEFAULT COORD. WGS 84)

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SEQUENCE NO. (MDE USE ONLY) **75000**

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

ST/CO USE ONLY DATE RECEIVED **01/30/22**

DATE WELL COMPLETED **05/18/2022** Depth of Well **900** **Revised** PERMIT NO. FROM "PERMIT TO DRILL WELL" **Ho-20-01600**

OWNER **Snider** **MARK**

WELL SITE ADDRESS **1420 LONG CORNER ROAD** TOWN **MT AIRY**

SUBDIVISION 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		check if water bearing
	FROM	TO	
SOIL	0	6	
Brown shale	6	47	
MED GRAY Rock	47	400	
SOFT GRAY Rock	400	900	
		150	✓
		420	✓

GROUTING RECORD

WELL HAS BEEN GROUTED **Well** (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) **GOAT**

CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **17** NO. OF POUNDS **1275**

GALLONS OF WATER **85**

DEPTH OF GROUT SEAL (to nearest foot)
from **0** ft. to **50** 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 **PL** Nominal diameter top (main) casing (nearest inch)! **6** Total depth of main casing (nearest foot) **50**

OTHER CASING (if used)

diameter inch depth (feet) 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: **3**

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. **MW355**

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. **R D109**

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

C 2 DEPTH (nearest ft.)

Ho 50 900

1	8	9	11	15	17	21
2	23	24	26	30	32	36
3	38	39	41	45	47	51

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN _____ (NEAREST INCH)

from _____ to _____

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

70 _____ 72 _____ 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST **3**

HOURS PUMPED (nearest hour) **8 9**

PUMPING RATE (gal. per min.) **.50**

METHOD USED TO MEASURE PUMPING RATE **Water Bucket**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **25** ft.
17 20

WHEN PUMPING **227** ft.
22 25

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 INSTALLED PUMP (CIRCLE) (YES or NO) **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 } LAND SURFACE
- below } **i** (nearest foot)

LATITUDE **39.33651**
LONGITUDE **77.15435**
(DEFAULT COORD. WGS 84)

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Keystone Homes

EMERGENCY/TEMP NO. IF ANY

GPS: ✓ 6/16/22 (SP) TAG-V 6/16/22 (S)

B 1 **79538** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND STATE PERMIT NUMBER
570998 APPLICATION FOR PERMIT TO DRILL WELL please type **HO-20-0160**
70 fill in this form completely 79

Date Received (MM/DD) **03/18/22**
 OWNER INFORMATION
 8 MM DD YY 13
Snider Mark
 15 Last Name Owner First Name 34
490 Hampden Lane #306
 36 Street or RFD 55
Bethesda MD 21771
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
 8 COUNTY 21
 23 SUBDIVISION 42
 SECTION 44 46 LOT 48 50
MT Airy
 52 NEAREST TOWN 71

DRILLER INFORMATION
Michael Bartow MWD355
 76 License No. 81
Bartow Well DRILLING
 Firm Name
522 Underwood Lane 21014
 Address
[Signature] **3/15/22**
 Signature Date

B 4 SOURCES OF DRILLING WATER
 1. **Well**
 2. **6/16/22**
 3. **static 35' pump 300' 25G @ 1PM still ~2GPM? dropping cement**
1420 Long Corner Road
 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH [] WEST [] EAST [] SOUTH []
 34 75 37 DISTANCE FROM ROAD Ft
 ENTER FT OR MI 38 39
 TAX MAP: **6** BLK: **10** PARCEL **25**

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **750**
 14 20

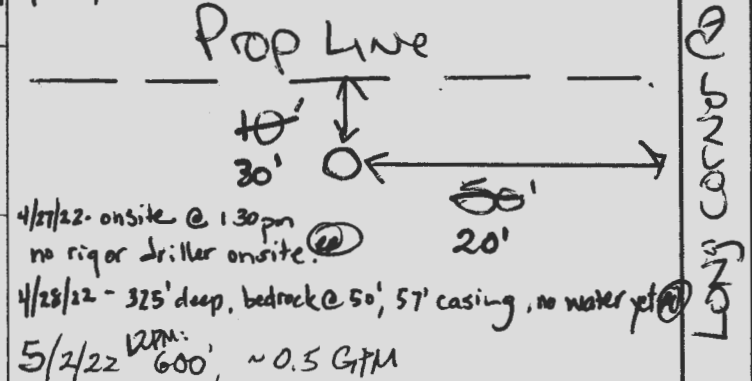
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 OPEN LOOP GEOTHERMAL
 CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard **13**
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE INSERT S →
 DATE ISSUED **03/23/22** **Awan Thomas** **03/23/23**
 43 MM DD YY 48 CO SIGNATURE EXP. DATE
 Don: **4/27/22** DOG: **6/16/22 (SP)** DOY: **6/16/22 (S)**

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

PROPOSED LOCATION OF WELL ON LOT HOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, POOL AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

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 _____



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 DEEPEAN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

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Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. **HO-20-0160**
 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS **PIT WELL MUST BE ABANDONED**
 NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

C-1 **04524** SEQUENCE NO. (DWR USE ONLY)

STATE OF MARYLAND
DEPARTMENT OF WATER RESOURCES
STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER **A 14730**

DATE RECEIVED (DWR USE ONLY) **12-13**

DATE WELL COMPLETED **12-22-72**

DEPTH OF WELL **247** (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-73-0067**

DRILLER IDENTIFICATION NO. **72**

OWNER **Woodmark** LAST NAME **Woodmark** FIRST NAME **Woodmark**

STREET OR RFD **Woodmark** POST OFFICE **Woodmark**

WELL LOG

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

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
<i>Sand</i>	0	2	
<i>Sand</i>	2	16	
<i>Sand Stone</i>	16	70	
<i>Mika</i>	70	240	

WELL DESCRIPTION

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT BENTONITE CLAY

NO. OF BAGS **5** NO. OF POUNDS **225**

GALLONS OF WATER **10**

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM **0** FT. TO **10** FT.

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL CONCRETE

PLASTIC OTHER

MAIN CASING TYPE **ST** NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) **6** TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) **20**

OTHER CASING (IF USED)

DIAMETER (INCH) FROM TO DEPTH (FEET) FROM TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE

STEEL BRASS OR BRONZE OPEN HOLE

PLASTIC OTHER

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) **2**

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) **11**

METHOD USED TO MEASURE PUMPING RATE **Direct**

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING **17** (NEAREST FOOT)

WHEN PUMPING **17** (NEAREST FOOT)

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

AIR PISTON TURBINE

CENTRIFUGAL ROTARY OTHER (DESCRIBE BELOW)

JET SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES NO

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) **31**

PUMP HORSE POWER **37**

PUMP COLUMN LENGTH (NEAREST FOOT) **47**

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

ABOVE BELOW LAND SURFACE (NEAREST FOOT) **2**

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

House
40' well

CIRCLE APPROPRIATE BOXES

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

F TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLER'S NAME **Woodmark**

(PLEASE PRINT) **Woodmark**

SIGNATURE **Woodmark**

SCREEN

DIAMETER OF SCREEN **50** (NEAREST INCH)

FRDM TO

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX F

DWR USE ONLY (DO NOT TO BE FILLED IN BY DRILLER)

(C.R.O.S.)

T W

70 TELESCOPE CASING 72 LOG INDICATOR 74 75 76 OTHER DATA AVAILABLE

Top Soil
Sand
Sand Stone
Mika

9-25-72
20' case
18' open
5 logs cement
or CBS

1420 Long Corner

6/15/22

photo submitted by neighbor at 1406 Long Corner,
3rd attempt ~~(hydrofrack, dry)~~ was drilled in ~~location~~ location 3'
from lot line. Approved well location was 7' from lot line.





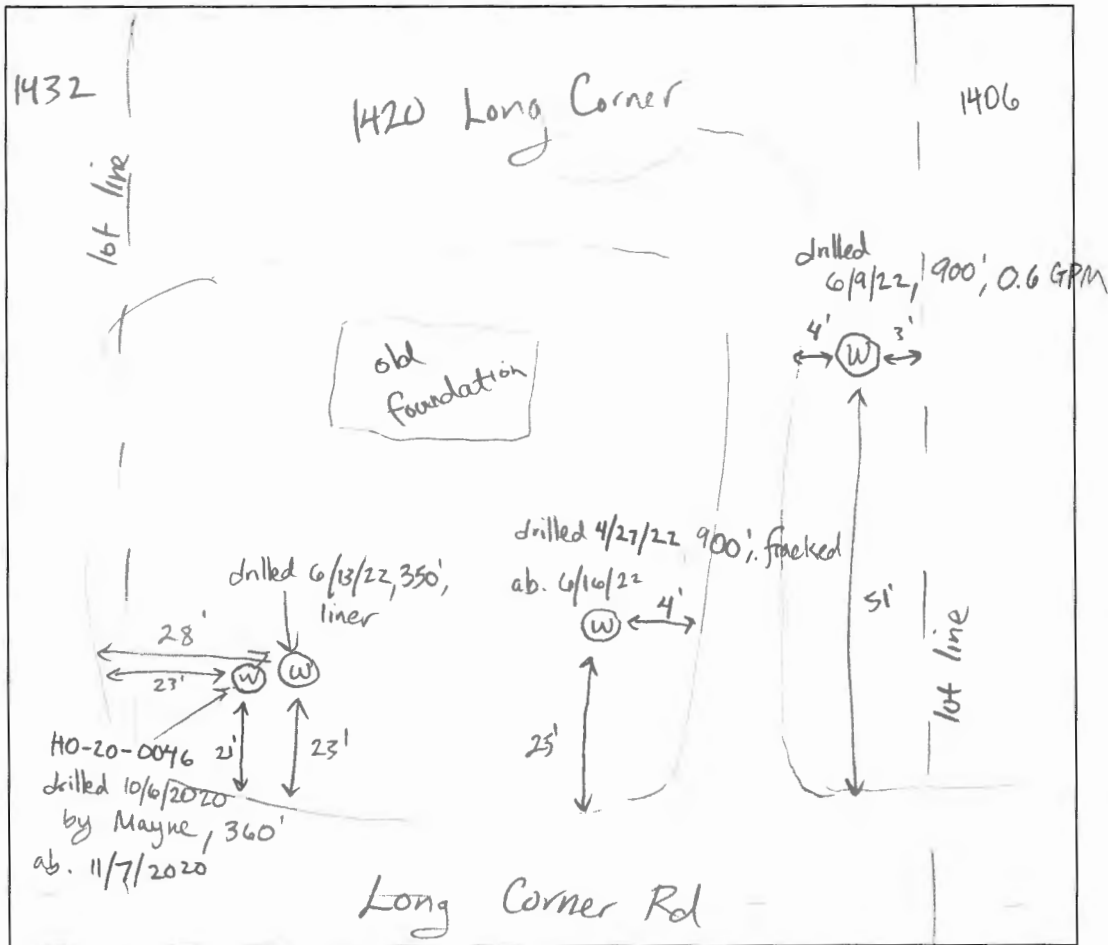
Wells to be abandoned?



SITE INSPECTION SHEET

OWNER: Mark Snider PHONE #: _____
ADDRESS: 1420 Long Corner Rd CONTRACTOR: Barlow
Mt. Airy, MD WELL TAG #: HO-20-0160
SUBDIVISION: _____ LOT: _____ COUNTY #: 13
PROPOSAL: new well for lot being developed

LOCATION DIAGRAM



COMMENTS: 4 attempts to find water on property. Dry holes for first 2 attempts, third attempt 0.6 GPM. Attempt #4 on 6/13/22 went down to 350'. During yield on 6/16/22, water level and output kept dropping. Water was extremely turbid, unable to get pH reading.

DATE: 6/16/22 INSPECTOR: Susan Thomas

6/17/22 Update: Barlow tried to wash out 6/13 well and it collapsed. (SF)

Thomas, Susan

From: Michael Isom <misom@mbwd.us>
Sent: Friday, June 17, 2022 8:14 AM
To: Wolf, Kevin; Thomas, Susan
Subject: RE: 1420 Long Corner - yield test update, depth of fracked well

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

It is the first attempt on the left side of the driveway that was fractured. We drilled it to a depth of 900 feet, but it collapsed to a depth of 500 feet and had less than ½ gpm. That one was sealed yesterday. The second attempt on the right side of the driveway was also drilled to 900 feet but I anticipate that it will also collapsed beyond 500 feet. The rock on this lot is incredibly soft and it gets even softer as you go deeper. We moved to that well after Susan left yesterday so we could flush some clean water thru our pump and it appears to have .6 gpm. The 3rd attempt was pumping at 4 gpm initially once we drew it down, but as we continued to pump it, the water became discolored and it dropped below 1 gpm. Not certain what caused it, but we are going to send the drill back (hopefully later today) to set back over it and re-develop it to see what that does. He may opt to remove the liner and continue deeper than it's current depth of 350 feet.

Two questions. Our grout crew gave me some measurement for the 2nd attempt and it would appear that it located where it is shown on the site plan. It is close to the LOD stakes, but he said the property line wasn't clear. Did Susan verify the distance to the line? Is it a definite that it must be abandoned? Given the difficulty of getting water on this site, I would not abandon any viable water source if it could be kept. Second, can we drill in between the 1st and 3rd attempts on the left side of the driveway if we cannot develop the 3rd attempt or remove the liner? Charlie indicated that they are 25 to 30 feet apart so we can maintain 10' from each.

Michael Isom
Senior Project Manager
Michael Barlow Well Drilling
410-838-6910

From: Wolf, Kevin <KWolf@howardcountymd.gov>
Sent: Thursday, June 16, 2022 3:28 PM
To: Thomas, Susan <sathomas@howardcountymd.gov>; Michael Isom <misom@mbwd.us>
Subject: RE: 1420 Long Corner - yield test update, depth of fracked well

Susan,
They should be sealing both of these wells.

From: Thomas, Susan <sathomas@howardcountymd.gov>
Sent: Thursday, June 16, 2022 3:22 PM
To: Michael Isom <misom@mbwd.us>
Cc: Wolf, Kevin <KWolf@howardcountymd.gov>
Subject: 1420 Long Corner - yield test update, depth of fracked well

Hi Mike,

I was out today at 1420 Long Corner and the water level and output kept dropping for the yield test. I was wondering if you had any updates on the yield for this newest well?

In addition, I was wondering if you could tell me the depth and give me info on the fracking for the well that is to the right of the driveway?

Finally, are there plans to abandon the old pit well?

Thanks so much,

Susan

Susan M. Thomas
Environmental Health Specialist
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
410-313-6287
sathomas@howardcountymd.gov
www.hchealth.org



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HOME LAND

ENVIRONMENTAL

p:443-995-5385 | f:443-267-0098 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com



Picture 1:

Upon arrival, the drywell was found to be hydraulically loaded.

No Picture.

Picture 2:

This space was purposely left blank.

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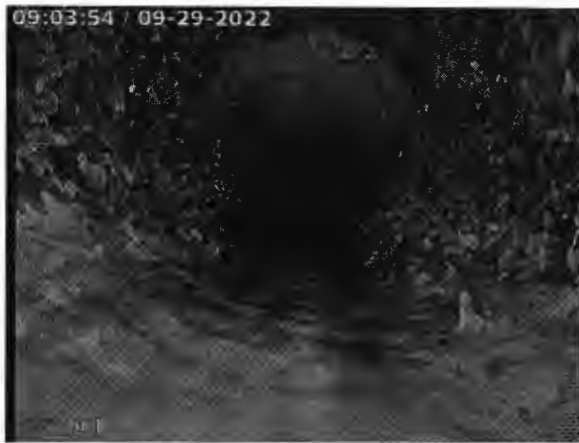
Sketch of System

Please see sketch document.

DISCLAIMERS

- This is a subjective and visual inspection only, the conclusions of which are based on the observed condition of the system components that could reasonably be accessed, and information known about the system at the time this report was completed. There may be unknown historical problems or unseen conditions which may compromise the conclusions stated in this report.
- Suggestions or recommendations for repairs or remediation may result in the need for further repair or remediation once the system components are fully excavated.
- A 'Satisfactory' evaluation does not mean the system will meet the local approving authority's criteria for determining compliance with state code: COMAR 26.04.02.02 D(4).
- The evaluation of the Sewage Disposal System as reported is based on the conditions observed on the day of the inspection.
- This report is neither a WARRANTY nor does it GUARANTEE continued acceptable functionality or performance of the Sewage Disposal Systems operations.
- If the house has been unoccupied the findings in this report may not be accurate, as limited or no use of the system may conceal or mask problems that may be revealed under typical sewage loading.
- If the general ground condition is excessively wet at the time of inspection, the findings in this report may not be accurate, as ground moisture may cover or hide septic effluent that may be on or near the ground surface.
- If the house is vacant or the conditions excessively wet during inspection, it is recommended that the system be reevaluated at a later date and/or alternate techniques be used to address those potential issues.
- Payment and/or use of this evaluation signify understanding and acceptances of the above clauses, as well as any noted faults with the system.

Representative's Signature:		Date: 9/29/2022
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0"

The back line was accessed via the cleanout over the back end of the tank; the camera was zeroed for distance.



-10"

The snake line just after the tank merges in from above.



-40' 7"

The camera becomes submerged.

10:34:42 / 09-29-2022



Back up continuing.

-38' 4"

10:51:58 / 09-29-2022



Back up continuing.

-38' 4"

11:13:25 / 09-29-2022



Back up continuing.

-38' 4"

09:50:18 / 09-29-2022



Back up beginning to occur.

-38' 4"

10:15:20 / 09-29-2022



Back up continuing.

-38' 4"

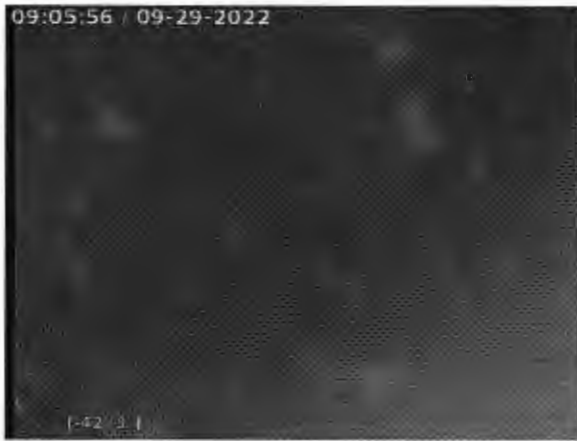
10:30:36 / 09-29-2022



Back up continuing.

-38' 4"

09:05:56 / 09-29-2022



The camera is now in the drywell.

-42' 3"

09:44:57 / 09-29-2022



The camera was retracted to monitor the hydraulic load test.

-38' 4"

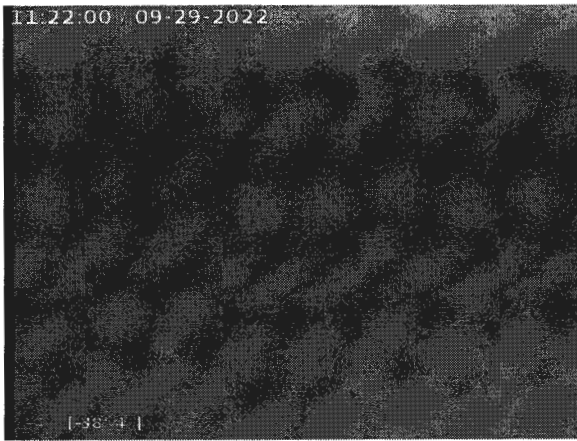
09:48:11 / 09-29-2022



During hydraulic load test.

-38' 4"

11:22:00 / 09-29-2022



[-38' 4"]

-38' 4"

Approximately 120 gallons of water were introduced to the system when a back-up occurred.