



HOWARD COUNTY HEALTH DEPARTMENT

62321

DATE
11/3/17

WS

Received From

James Graham
McGill

PHONE #

For

Well Permit / 14887
Michelle Dr.

- CASH
- CHECK

NO.

3291

One hundred sixty

Dollars

\$

160

Received By

King

C 1 **52239** 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

ST/CO USE ONLY DATE Received MM DD YY 01 24 18
 DATE WELL COMPLETED MM DD YY 1 4 18
 Depth of Well 22 700 26 1/26/18
 (TO NEAREST FOOT) a/c KW
 PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-17-0211
 28 29 30 31 32 33 34 35 36 37

OWNER MC GALL PHOEBE
 WELL SITE ADDRESS last name 14887 Michelle Dr first name
 TOWN Glen etg
 SUBDIVISION The Warfields II SECTION LOT 19

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	
dirt	0	1	
soft brown	1	8	
hard gray rock	8	25	
hard brown rock	25	26	
hard gray rock	26	70	
med/hard gray rock	70	290	✓
med gray rock	290	291	
hard gray rock	291	480	
med gray rock	480	481	✓
hard gray rock	481	700	

GROUTING RECORD yes no
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 44 44
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT BENTONITE CLAY
 NO. OF BAGS ^{45 46} 6 NO. OF POUNDS ^{45 46} 364
 GALLONS OF WATER 30
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 20 ft.
 48 TOP 52 54 BOTTOM 58
 (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)
 ST 6 21
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch depth (feet) from to
 A C H I N G

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: 0
 WELL HYDROFRACTURED yes no

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 M WD 304
 DRILLERS SIGNATURE Paul Kelly
 (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 WRD 107
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

C 2 DEPTH (nearest ft.)
 1 2
 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
 from to

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

C 3 PUMPING TEST
 1 2
 HOURS PUMPED (nearest hour) 7.5
 8 9
 PUMPING RATE (gal. per min.) 1.9
 11 15
 METHOD USED TO MEASURE PUMPING RATE TIMED
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 30 ft.
 17 20
 WHEN PUMPING 590 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 YES NO
 (CIRCLE) (YES or 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)
 49 50 51

LATITUDE 3 9.252361
 LONGITUDE 7 7.017589
 (DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.

TAG = 12/22/2017

B 1	33180	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL	STATE PERMIT NUMBER
1 2 3 6			562321 please type	40-17-0211 fill in this form completely

OWNER INFORMATION

Date Received (APA) 11/05/17

8 MM DD YY 13

15 Last Name McGall Owner First Name JAMES 34

36 Street or RFD 14887 Michelle Drive 55

57 Town Glencly Md 70 State MD 72 Zip 21737 76

LOCATION OF WELL

B 3

8 COUNTY Howard 21

23 SUBDIVISION The Warfields II 42

SECTION 44 46 LOT 19 48 50

52 NEAREST TOWN Dayton 71

DRILLER INFORMATION

Driller's Name David Kelly MW D 304 76 License No. 81

Firm Name Jones Well Drilling

Address 3700 Rush Rd. Jarrettsville Md 21084

Signature David Kelly Date 10-30-17

SOURCES OF DRILLING WATER

1 14887 Michelle Drive 11 STREET ADDRESS 30

2 private well

3

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 44'E 37

DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP 0027 BLK: 5 PARCEL 0114

WELL INFORMATION

B 2

1 2

APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

I INDUSTRIAL, COMMERCIAL, DEWATERING

P PUBLIC WATER SUPPLY WELL

T TEST, OBSERVATION, MONITORING

O OPEN LOOP GEOTHERMAL

C CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME Howard COUNTY NO. 13 517-336

STATE SIGNATURE _____ INSERT S → 41

DATE ISSUED 11/22/17 CO SIGNATURE K. M. Wally 11/22/18 EXP. DATE

43 MM DD YY 48

DDN: 12/18/17 SO DOG: 12/22/2017 DOY: 12/22/2017

APPROXIMATE DEPTH OF WELL 400 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

PROPOSED LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

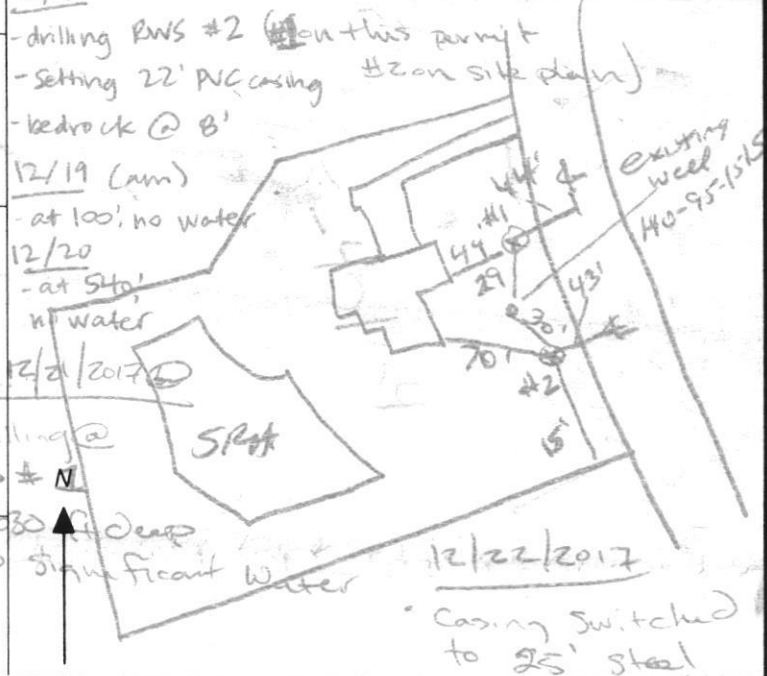
METHOD OF DRILLING (circle one)

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)

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 DEEPEM AN EXISTING WELL

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

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER _____ G _____

PERMIT No. 40-17-0211 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

**JONES WELL DRILLING
3700 RUSH RD
Jarrettsville MD 21084
410-692-6981**

Yield Test (Completed:

12/22/2017

Initials: JRH

Permit Number:

HO-17-0211

Well Depth: 700'

Subdivision:

Section:

Lot: 19

County: HO

Road: 14887 Michelle Dr

State: MD

	Time	Water Level	Time to Fill 5 Gallon Bucket/ Seconds	Gallons/Minute
1	8:15	30	18	16.67
2	8:30	191	21	14.29
3	8:45	307	33	9.09
4	9:00	406	36	8.33
5	9:15	502	37	8.11
6	9:30	590	153	1.86
7	9:45	590	153	1.86
8	10:00	50	153	1.96
9	10:15	50	153	1.96
10	10:30	590	153	1.96
11	10:45	590	153	1.96
12	11:00	590	153	1.96
13	11:15	590	153	1.96
14	11:30	590	153	1.96
15	11:45	590	153	1.96
16	12:00	590	153	1.96
17	12:15	590	153	1.95
18	12:30	590	153	1.95
19	12:45	590	153	1.96
20	1:00	590	153	1.96
21	1:15	590	158	1.96
22	1:30	590	158	1.90
23	1:45	590	158	1.90
24	2:00	590	158	1.90
25	2:15	590	158	1.90
26	2:30	590	158	1.90
27	2:45	590	158	1.90
28	3:00	590	158	1.90
29	3:15	590	158	1.90
30	3:30	590	158	1.90
31				

FUTURE PERFORMANCE MAY VARY FROM TESTED PERFORMANCE

SITE INSPECTION SHEET

OWNER: Morgan PHONE #: _____

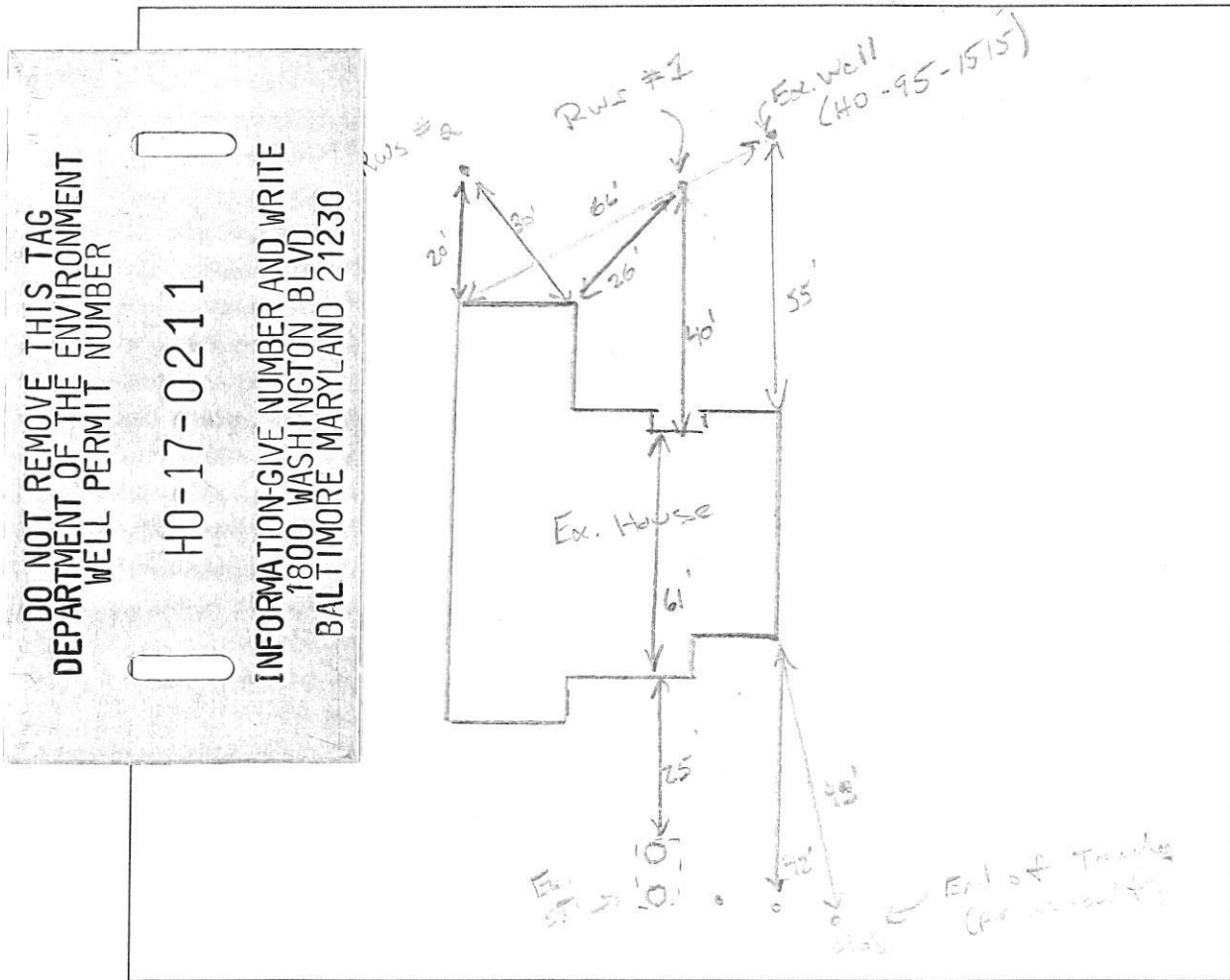
ADDRESS: 14987 Middle Lane CONTRACTOR: Some Well Drilling

WELL TAG #: HO-17-0211

SUBDIVISION: Whitcomb LOT: 19 COUNTY #: CO

PROPOSAL: out of water

LOCATION DIAGRAM



COMMENTS: Selected 2 proposed well sites indicated above as #1 and #2. Driveway exist on adjacent property. Some side not shown.

DATE: 11/17/17 INSPECTOR: R. Vail

